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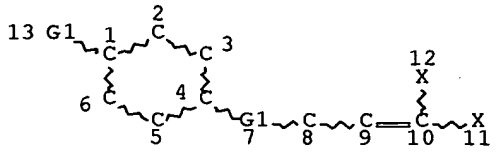

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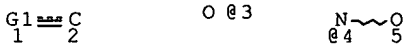

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DEFAULT MLEVEL IS ATOM
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
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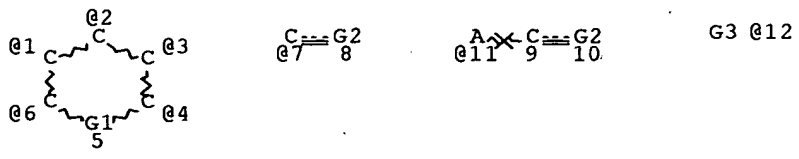

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L37  ANSWER 1 OF 49  HCAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:996170  HCAPLUS  Full-text
DOCUMENT NUMBER:         141:424174
TITLE:                   Preparation of arylisoxazolines and related
                         compounds as pesticides.
INVENTOR(S):             Jeschke, Peter; Mueller, Michael; Escher, Iris;
                         Malsam, Olga; Haack, Karl-Josef; Braun, Ralf;
                         Arnold, Christian
PATENT ASSIGNEE(S):      Bayer Cropscience Aktiengesellschaft, Germany
SOURCE:                  PCT Int. Appl., 175 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                German
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

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PRIORITY APPLN. INFO.:			DE 2003-10320782 <--	A 20030509
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OTHER SOURCE(S): MARPAT 141:424174

ED Entered STN: 19 Nov 2004

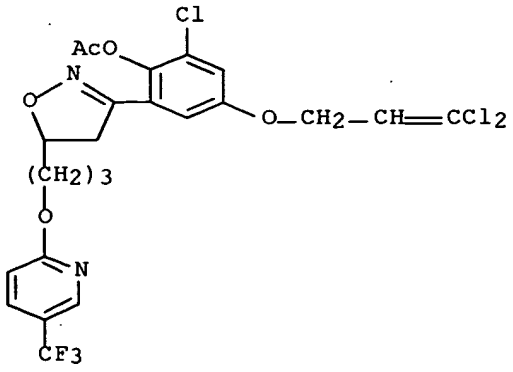
AB Title compds. [I; A1 = CH2CH:CCl2, CH2CH:CF2, CH2CH:CClF, 5-trifluoromethylpyridin-2-yl, 5-chloropyridin-2-ylmethyl, 2,2-dichlorocyclopropan-1-ylmethyl, etc.; A2 = alkylene, alkenylene optionally interrupted by O, S, SO, SO2, NH, NA; A = alkyl; R1 = H, NO2, OH, amino, cyano, halo, (substituted) alkyl, alkoxy, alkylthio, alkylamino, etc.; R2 = H, NO2, OH, amino, cyano, cyanato, thiocyanato, CHO, halo, (substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino, etc.; R3 = H, NO2, OH, amino, cyano, halo, (substituted) alkyl, alkoxy, alkylthio, alkylamino, dialkylamino, alkylcarbonylamino; R4 = H, NO2, OH, amino, cyano, halo, (substituted) alkyl, alkoxy, alkylthio, alkylamino, dialkylamino, alkylcarbonylamino; R5 = H, (substituted) aryl, heteroaryl], were prepared Thus, 3-chloro-5-(3,3-dichloroallyloxy)-2-methoxybenzaldehyde oxime (preparation given) was stirred 2 h with N-chlorosuccinimide in DMF; 2-(pent-4-en-1-yloxy)-5-trifluoromethylpyridine (preparation given) and Et3N were added and the mixture was kept 16 h to give 40% title compound (II). II at 100 ppm on cabbage leaves gave a 100% kill of Spodoptera exigua after 7 days.

IT **796117-81-2P**

(preparation of arylisoxazolines and related compds. as pesticides)

RN 796117-81-2 HCAPLUS

CN Phenol, 2-chloro-4-[(3,3-dichloro-2-propenyl)oxy]-6-[4,5-dihydro-5-[3-[[5-(trifluoromethyl)-2-pyridinyl]oxy]propyl]-3-isoxazolyl]-, acetate (ester) (9CI) (CA INDEX NAME)



IC ICM C07D413-12
ICS C07D271-06; C07D261-08; C07D261-04
CC 28-6 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5
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(preparation of arylisoxazolines and related compds. as pesticides)
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(preparation of arylisoxazolines and related compds. as pesticides)
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(preparation of arylisoxazolines and related compds. as pesticides)

L37 ANSWER 2 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:964833 HCAPLUS Full-text
DOCUMENT NUMBER: 141:410815
TITLE: Preparation of (dihalopropenyl) phenylalkyl substituted dihydrobenzofuran and dihydrobenzopyran derivatives as insecticides
INVENTOR(S): Theodoridis, George; Barron, Edward J.; Suarez, Dominic P.; Zhang, Y. Larry; Ding, Ping; Roush, David M.; Donovan, Stephen F.; Zawacki, Frank J.; Yeager, Walter H.; Lyga, John W.; Cohen, Daniel H.
PATENT ASSIGNEE(S): Fmc Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 28 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6987194	B2	20060117		
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AU 2004237745	A1	20041118	AU 2004-237745 <--	20040427
CA 2523085	A1	20041118	CA 2004-2523085 <--	20040427
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US 2006270726	A1	20061130	US 2005-554328	20051024
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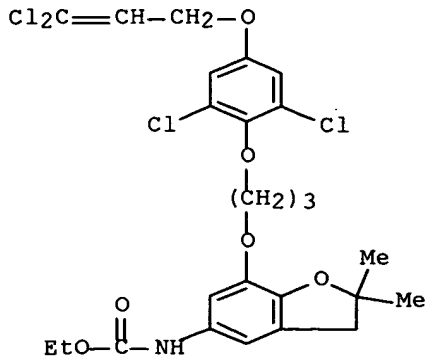
US 2006094776	A1	20060504	US 2005-292023	20051201
			<--	
PRIORITY APPLN. INFO.:			US 2003-466674P	P 20030430
			<--	
			US 2004-832624	A3 20040427
			WO 2004-US12886	W 20040427
			WO 2004-US12890	W 20040427

WO 2004-US13014 W 20040428

WO 2004-US13023 W 20040428

OTHER SOURCE(S): MARPAT 141:410815
ED Entered STN: 12 Nov 2004
AB The title compds. (I) [R, R3 = H, halogen, HO, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, each (un)substituted NH2, etc.; R1, R2 = H, halogen, alkyl; R4 = H; R5 = halogen; E = CH2, O, S, (un)substituted NH; G = O, S, CH2O*, (CH2)n (where the asterisk denotes attachment to E; n = 1, 2; provided that E and G are not simultaneously O or S); x = 0, 1; when x = 1, A = O, S(O)p and (un)substituted NH (where p = 0, 1, 2); B = (un)substituted *-(CH2)q-(CH2)r-(CH2)s-Lt-(CH2)u-(CH2)v-(CH2)w- (where the asterisk denotes attachment at A; q, r, s, u, v, w = 0, 1, 2; t = 0, 1; when t = 1, L = CH:CH; O, S(O)p; OS(O)2, S(O)2O, (un)substituted NH, NHSO2, or NHCONH; Si(CH3)2, CO, OC(O), NHCO; ON:CH, etc.); y = 0, 1; when y = 1, D = O, S(O)p, (un)substituted NH (wherein p = 0-2); R6-R9 = H, halogen, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, aryl, etc; R10, R11 = independently selected from hydrogen, halogen, hydroxy, alkyl, alkoxy, or R10 and R11 taken together are O forming CO, OCH2CH2O or SCH2CH2S forming a ketal or a thioketal group, or (un)substituted NOH forming an oxime; M = each (un)substituted *CH2 or *CH2CH2 (where the asterisk indicates attachment to O)], and agriculturally acceptable salts thereof are prepared These compds. provide unexpected insecticidal activity across a spectrum of insect pests combined with desirable phys. properties including improved photostability. In addition, compns. comprising an insecticidally effective amount of at least one compound of formula I and methods of controlling insects by applying said compns. to a locus where insects are present or are expected to be present are also disclosed. Thus, a stirred solution of 0.44 g (0.0011 mol) 4-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-3,5- dichlorophenol, 0.3 g (0.0015 mol) 1,1,1,3-tetrachloropropane, and 0.3 g (0.0022 mol) K2CO3 in 25 mL DMF was heated at 80° for .apprx.18 h to give, after workup and silica gel chromatog., 0.39 g 5-(3,3-dichloroprop-2-enyloxy)-2-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-1,3-dichlorobenzene (II). A wheat germ-based artificial diet containing 0.25 mmol II exhibited 100% mortality and 100% growth inhibition in tobacco budworm [Heliothis virescens (Fabricius)].
IT **791063-52-0P**
(preparation of (dihalopropenyl) phenylalkyl-substituted dihydrobenzofuran and dihydrobenzopyran derivs. as insecticides)
RN 791063-52-0 HCAPLUS
CN Carbamic acid, [7-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-2,3-dihydro-2,2-dimethyl-5-benzofuranyl]-, ethyl ester (9CI) (CA INDEX NAME)



IC ICM A61K031-427
ICS A61K031-4245; A61K031-42; C07D417-02; C07D413-02
INCL 514364000; X51-437.9; X51-436.5; X54-813.1; X54-818.1; X54-824.1
CC 27-15 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 5
IT 791063-43-9P 791063-44-0P 791063-47-3P 791063-48-4P
791063-49-5P 791063-50-8P 791063-51-9P **791063-52-0P**
791063-53-1P 791063-54-2P 791063-55-3P 791063-56-4P
791063-57-5P 791063-58-6P 791063-59-7P 791063-60-0P
791063-61-1P 791063-62-2P 791063-63-3P 791063-64-4P
791063-65-5P 791063-66-6P 791063-67-7P **791063-68-8P**
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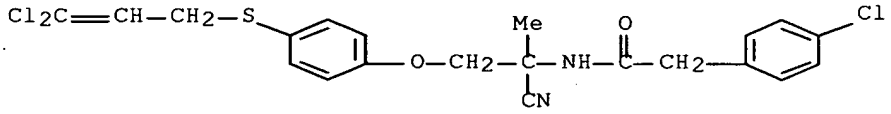
791063-72-4P 791063-73-5P 791063-74-6P **791063-75-7P**
791063-76-8P 791063-77-9P 791063-78-0P 791063-79-1P
791063-80-4P 791063-81-5P 791063-82-6P 791063-83-7P
791063-84-8P 791063-85-9P 791063-86-0P 791063-87-1P
791063-88-2P 791063-89-3P 791063-90-6P 791063-91-7P
791063-92-8P 791063-93-9P **791063-94-0P**
791063-95-1P 791063-96-2P
(preparation of (dihalopropenyl) phenylalkyl-substituted dihydrobenzofuran and dihydrobenzopyran derivs. as insecticides)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 3 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:650899 HCAPLUS Full-text
DOCUMENT NUMBER: 141:173978
TITLE: Preparation of aminoacetonitrile derivatives as agricultural and horticultural insecticides
INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1445251	A1	20040811	EP 2004-10346 <--	19990428

EP 1445251 B1 20061227
R: CH, DE, FR, GB, IT, LI
EP 953565 A2 19991103 EP 1999-107461 19990428
<--
EP 953565 A3 20021204
EP 953565 B1 20040908
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
PRIORITY APPLN. INFO.: JP 1998-137806 A 19980501
<--
EP 1999-107461 A3 19990428
<--

OTHER SOURCE(S): MARPAT 141:173978
ED Entered STN: 13 Aug 2004
AB The title compds. Ar1(Q)dC(O)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, (substituted) phenyloxy, (substituted) phenylacetylene; (substituted) pyridyl and (substituted) naphthyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.); R3 = H, (halo)alkyl, etc.; R4-R8 = H, halo, (halo)alkyl, etc.; W = O, S, SO2 or NR9 (wherein R9 = H, alkyl); a, b = 0-4; d = 0-1], useful as insecticides, were prepared E.g., a multi-step synthesis of II (starting from 4-chlorophenol and bromoacetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea tortrix (data were given for representative compds. I).
IT **247198-26-1P**
(preparation of aminoacetonitrile derivs. as agricultural and horticultural insecticides)
RN 247198-26-1 HCAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)thio]phenoxy]-1-methylethyl]- (9CI) (CA INDEX NAME)



IC ICM C07C255-26
ICS A01N037-34; C07C317-14; C07D213-82
CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5, 27
IT 247197-14-4P 247197-20-2P 247197-22-4P 247197-35-9P
247197-37-1P 247197-39-3P 247197-41-7P 247197-43-9P
247197-45-1P 247197-47-3P 247197-49-5P 247197-50-8P
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736172-75-1P 736172-76-2P 736172-77-3P 736172-78-4P
736172-79-5P
(preparation of aminoacetonitrile derivs. as agricultural and horticultural insecticides)

IT 736172-80-8P 736172-81-9P 736172-82-0P **736172-83-1P**
736172-86-4P 736172-88-6P 736172-89-7P 736172-90-0P
736172-91-1P 736172-92-2P 736172-93-3P 736172-94-4P
(preparation of aminoacetonitrile derivs. as agricultural and horticultural insecticides)

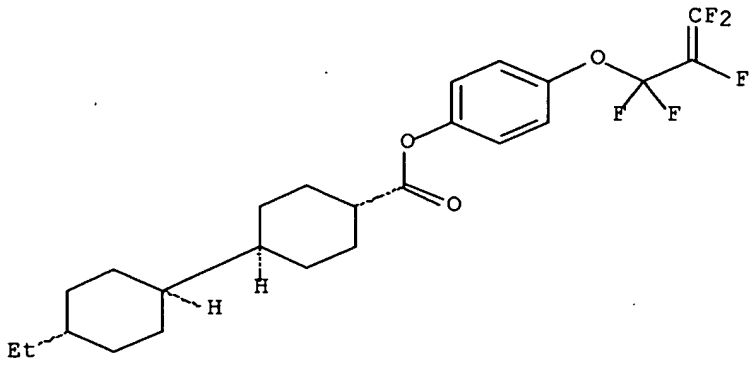
L37 ANSWER 4 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:565184 HCAPLUS Full-text
DOCUMENT NUMBER: 141:131695
TITLE: Perfluoroallyloxy compound and liquid-crystal composition containing the same for electrooptical display element
INVENTOR(S): Shinano, Hirokatsu; Otsuka, Takahiro; Irisawa, Masatomi

PATENT ASSIGNEE(S): Asahi Denka Co., Ltd., Japan
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058676	A1	20040715	WO 2003-JP15547 <--	20031204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003289187	A1	20040722	AU 2003-289187 <--	20031204
EP 1577286	A1	20050921	EP 2003-777258 <--	20031204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1692091	A	20051102	CN 2003-80100305 <--	20031204
US 2005161637	A1	20050728	US 2004-505080 <--	20040820
US 7001647	B2	20060221		
PRIORITY APPLN. INFO.:			JP 2002-372303 A <--	20021224
			JP 2003-8467 A <--	20030116
			WO 2003-JP15547 W <--	20031204

OTHER SOURCE(S): MARPAT 141:131695
ED Entered STN: 15 Jul 2004
AB Disclosed is a novel perfluoroallyloxy compound represented by the following general formula I (R1 = substituent; A1,2 = 1,4-phenylene, etc.; B = single bond, alkylene; Z1 = single bond, COO, etc.; and n = integer 1-3) in a liquid-crystal composition The perfluoroallyloxy compound is useful for an electrooptical display element.
IT **723246-41-1**
(perfluoroallyloxy compound in liquid-crystal composition for electrooptical
display element)
RN 723246-41-1 HCAPLUS
CN [1,1'-Bicyclohexyl]-4-carboxylic acid, 4'-ethyl-, 4-[(1,1,2,3,3-pentafluoro-2-propenyl)oxy]phenyl ester, (trans,trans)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IC ICM C07C043-172
ICS C07C043-192; C07C043-225; C07C069-773; C07D239-04; C07D319-06; C09K019-30; C09K019-20; C09K019-18; C09K019-34; G02F001-13
CC 75-11 (Crystallography and Liquid Crystals)
Section cross-reference(s): 74
IT 56131-48-7 61203-99-4 67589-39-3 72928-54-2 80944-44-1
81701-13-5 84655-98-1 84656-77-9 84656-92-8 84816-56-8
86776-50-3 86776-51-4 87073-93-6 88416-84-6 88639-41-2
89587-96-2 92263-41-7 93743-04-5 96624-41-8 97941-21-4
98495-10-4 99896-05-6 102714-93-2 107215-66-7 107215-67-8
112026-68-3 116903-46-9 124728-81-0 124729-02-8 127727-79-1
129738-34-7 133261-31-1 135734-60-0 137019-94-4 155041-85-3
167306-96-9 174350-06-2 208717-25-3 316805-91-1 316805-92-2
316811-81-1 **723246-41-1** 723246-42-2 723246-43-3
(perfluoroallyloxy compound in liquid-crystal composition for electrooptical
display element)

L37 ANSWER 5 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:837024 HCAPLUS Full-text
DOCUMENT NUMBER: 139:337783
TITLE: Preparation of strobilurine analogs as acaricides, insecticides, and fungicides.
INVENTOR(S): Venturini, Isabella; Bettarini, Franco; Castoro, Paolo; Ciapessoni, Alessandro; Gusmeroli, Marilena; Meazza, Giavanni; Portoso, Domenico; Sargiotto, Chiara
PATENT ASSIGNEE(S): Isagro Ricerca S.r.l., Italy
SOURCE: PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003087032	A1	20031023	WO 2003-EP3784 <--	20030411

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,

NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

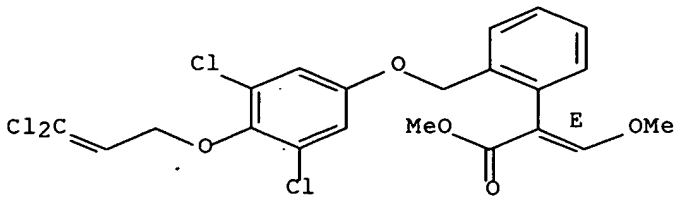
IT 2002MI0814	A1	20031017	IT 2002-MI814 <--	20020417
AU 2003233966	A1	20031027	AU 2003-233966 <--	20030411
EP 1494991	A1	20050112	EP 2003-727293 <--	20030411

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2003009035	A	20050201	BR 2003-9035 <--	20030411
CN 1646472	A	20050727	CN 2003-808587 <--	20030411
JP 2005522500	T	20050728	JP 2003-583988 <--	20030411
US 2006235075	A1	20061019	US 2005-510383 <--	20050330
PRIORITY APPLN. INFO.:			IT 2002-MI814 A <--	20020417
			WO 2003-EP3784 W <--	20030411

OTHER SOURCE(S): MARPAT 139:337783
ED Entered STN: 24 Oct 2003
AB Title compds. [I; X1, X2, X3 = R; X4, X5 and 2 of the remaining X1, X2, X3 = H, halo, ≥2 of said groups halo; R = (substituted) alkyl, haloalkyl, alkoxy, alkylthio, alkoxyalkoxy, NH2, trialkylsilyl, aryloxy, heteroaryloxy, alkenyloxy, alkenylthio, heteroaryl, alkynyloxy, alkynylthio, aryl, heteroaryl, cycloalkylthio, cycloalkylalkoxy, cycloalkylalkylthio, heterocyclyloxy, etc.; Y = OMe, NHMe, NH2; Z = CH, N; n = 0-4], were prepared Thus, 4-cyclopropylmethoxy-3,5-dichlorophenol in DMF is added dropwise at 0° to a suspension of NaH in DMF; the mixture is kept under stirring at room temperature for 30 min and a solution of Me (E)-2-(2-bromomethylphenyl)-3-methoxyacrylate in DMF is then added. The mixture is kept under stirring for 4 h to give Me (E)-2-[2-(4-cyclopropylmethoxy-3,5-dichlorophenoxymethyl)phenyl]-3- methoxyacrylate. I at 200 ppm showed full activity against Tetranychus urticae.
IT **616899-05-9P**
(preparation of strobilurine analogs as acaricides, insecticides, and fungicides)
RN 616899-05-9 HCAPLUS
CN Benzeneacetic acid, 2-[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]methyl]-α-(methoxymethylene)-, methyl ester, (αE)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IC ICM C07C069-734
ICS C07C259-10; A01N037-50; C07C067-343
CC 25-18 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT 616898-99-8P 616899-00-4P 616899-01-5P 616899-02-6P
616899-03-7P 616899-04-8P **616899-05-9P**
616899-06-0P 616899-07-1P 616899-08-2P
616899-09-3P 616899-10-6P 616899-11-7P 616899-12-8P
616899-13-9P 616899-14-0P 616899-15-1P 616899-16-2P
(preparation of strobilurine analogs as acaricides, insecticides, and fungicides)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 6 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2003:396826 HCAPLUS Full-text
DOCUMENT NUMBER: 138:401492
TITLE: Preparation of 2-chloro-4-[(3,3-dichloro-2-propenyl)oxy]phenol ethers as pest control agents
INVENTOR(S): Tiebes, Joerg; Braun, Ralf; Dickhaut, Joachim; Jakobi, Harald; Lindell, Stephen; Salgado, Vincent L.; Wojtech, Eva; Jans, Daniela; Waibel, Jutta Maria; Hempel, Waltraud; Wilhelm, Ronald
PATENT ASSIGNEE(S): Bayer CropScience SA, Fr.
SOURCE: PCT Int. Appl., 121 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003042147	A1	20030522	WO 2002-EP11980 <--	20021026
W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SG, SI, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10155385	A1	20030528	DE 2001-10155385 <--	20011110
EP 1446375	A1	20040818	EP 2002-787515	20021026

<-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

JP 2005509017 T 20050407 JP 2003-543985 20021026
<--

US 2004029886 A1 20040212 US 2002-289398 20021107
<--

US 6949551 B2 20050927

PRIORITY APPLN. INFO.: DE 2001-10155385 A 20011110
<--

WO 2002-EP11980 W 20021026
<--

OTHER SOURCE(S): MARPAT 138:401492

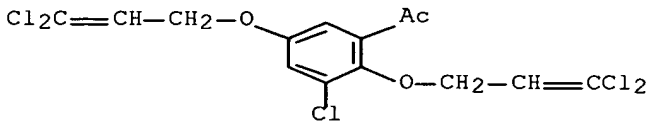
ED Entered STN: 23 May 2003

AB Title compds. I [R1, R2 = halo; Y = O, S, NH; X = O, S(O)r, NR5; r = 0-2; R5 = H, alkyl; Z = C-C bond (sic), O, S(O)r, etc.; R3 = H, halo, NO2, etc.; R4 = (un)substituted aryl, N-heteroaryl; A = OR6, SR6, NR7R8, etc.; B = (un)substituted alkylene, cycloalkylene; R6, R7, R8 = H, alkyl, alkenyl, etc.] were prepared For example, Mitsunobu mediated coupling of phenol II, e.g., prepared from 3-acetyl-1-chloro-2-hydroxy-5- methoxybenzene in 3-steps, and 3-[[5-(trifluoromethyl)-2- pyridinyl]oxy]-1-propanol afforded dichloropropene III in 74% yield. In Heliothis virescens studies, 26-examples of compds. I, e.g., dichloropropene III, demonstrated 50% or greater parasite morality (eggs and possibly the larva) at 500 ppm.

IT **528886-32-0P**, 3-Acetyl-2,5-bis-(3,3-dichloroprop-2-enyloxy)-1-chlorobenzene
(intermediate; preparation of dihalogenpropenyloxyphenol ethers as pest control agents)

RN 528886-32-0 HCAPLUS

CN Ethanone, 1-[3-chloro-2,5-bis[(3,3-dichloro-2-propenyl)oxy]phenyl]- (9CI) (CA INDEX NAME)



IC ICM C07C043-225
ICS C07C205-34; C07C255-54; C07D213-643; C07D231-20; C07D239-34; A01N039-00; A01N037-34; A01N043-40; A01N043-50; A01N043-56

CC 25-9 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT 528886-30-8P, 3-Acetyl-1-chloro-2,5-dihydroxybenzene
528886-32-0P, 3-Acetyl-2,5-bis-(3,3-dichloroprop-2-enyloxy)-1-chlorobenzene **528886-34-2P**, 3-Acetyl-1-chloro-5-(3,3-dichloroprop-2-enyloxy)-2-hydroxybenzene 528886-35-3P, 3-Chloro-2,5-dihydroxybenzoic acid methyl ester **528886-36-4P**, 3-Chloro-5-(3,3-dichloroprop-2-enyloxy)-2-hydroxybenzoic acid methyl ester 528886-37-5P, 5-Benzoyloxy-3-chloro-2-hydroxy-1-iodobenzene 528886-38-6P 528886-39-7P 528886-40-0P **528886-41-1P**
(intermediate; preparation of dihalogenpropenyloxyphenol ethers as pest control agents)

IT **528885-94-1P 528886-00-2P**
(target compound; preparation of dihalogenpropenyloxyphenol ethers as pest control agents)

IT **528885-85-0P 528885-86-1P 528885-87-2P**

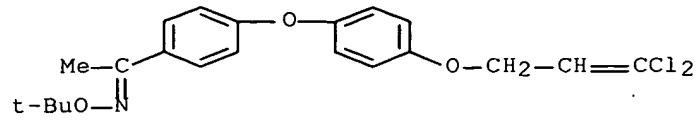
528885-88-3P 528885-89-4P 528885-90-7P
528885-91-8P 528885-92-9P 528885-93-0P
528885-96-3P 528885-98-5P 528885-99-6P
528886-01-3P 528886-02-4P 528886-03-5P
528886-04-6P 528886-05-7P 528886-06-8P
528886-07-9P 528886-08-0P 528886-09-1P
528886-10-4P 528886-11-5P 528886-12-6P 528886-13-7P
528886-14-8P 528886-15-9P 528886-16-0P 528886-17-1P
528886-18-2P 528886-19-3P 528886-20-6P 528886-21-7P
528886-22-8P **528886-23-9P 528886-24-0P**
528886-25-1P **528886-26-2P** 528886-27-3P 528886-42-2P
(target compound; preparation of dihalogenpropenyloxyphenol ethers as pest control agents)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L37 ANSWER 7 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:874390 HCAPLUS Full-text
DOCUMENT NUMBER: 136:19936
TITLE: Preparation of dihalopropenyloxyphenylalkanone oximes as insecticides and acaricides
INVENTOR(S): Ikegami, Hiroshi; Suzuki, Masaya
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 111 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001335550	A	20011204	JP 2000-156888 <--	20000526
PRIORITY APPLN. INFO.:			JP 2000-156888 <--	20000526

OTHER SOURCE(S): MARPAT 136:19936
ED Entered STN: 04 Dec 2001
AB Title compds. I (R1-R8 = H, halo, C1-4 alkyl, C1-4 alkoxy, C1-3 haloalkyl, etc.; R9 = H, C1-10 alkyl, C2-6 haloalkyl, C3-10 alkenyl, C3-6 haloalkenyl, etc.; R10 = C1-6 alkyl, C1-3 haloalkyl, (un)substituted Ph, etc.; Z = single bond, O, S(O)l, NR11; l = 0-2; A = C1-6 alkylene, C2-6 alkylidene; X = Cl, Br; Z = O, S(O)l, NR11, CR13R14; R12-R14 = H, C1-4 alkyl; l, m, n = 0-2) are prepared [4-[4-(3,3-Dichloro-2-propenyloxy)phenoxy]phenoxy]acetone was reacted with O-tert-butyloxylamine hydrochloride in pyridine at room temperature for 2 h to give 84.3% [4-[4-(3,3-dichloro-2-propenyloxy)phenoxy]phenoxy]ac etone O-tert-butyloxime showing good ≥80% insecticidal activity against Adoxophyes orana fasciata.
IT **378187-42-9P**
(preparation of dihalopropenyloxyphenylalkanone oximes as insecticides and acaricides)
RN 378187-42-9 HCAPLUS
CN Ethanone, 1-[4-[4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]phenyl]-, O-(1,1-dimethylethyl)oxime (9CI) (CA INDEX NAME)



IC ICM C07C251-32
ICS A01N035-10; A01N041-10; C07C317-22; C07C323-20
CC 25-16 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT 378187-35-0P 378187-37-2P 378187-39-4P **378187-42-9P**
378187-43-0P 378187-49-6P 378187-52-1P 378187-54-3P
378187-59-8P 378187-63-4P 378187-64-5P 378187-65-6P
378187-66-7P 378187-67-8P 378187-68-9P 378187-72-5P
378187-74-7P 378187-75-8P 378187-76-9P 378187-81-6P
378187-82-7P 378187-83-8P 378187-84-9P 378187-85-0P
378187-87-2P 378187-89-4P 378187-90-7P **378187-92-9P**
378187-93-0P 378187-94-1P 378187-96-3P 378187-98-5P
378188-00-2P 378188-02-4P 378188-04-6P 378188-06-8P
378188-07-9P 378188-08-0P 378188-09-1P 378188-10-4P
378188-14-8P 378188-16-0P 378188-18-2P **378188-20-6P**
378188-21-7P 378188-22-8P 378188-23-9P 378188-24-0P
378188-25-1P 378188-26-2P 378188-27-3P
378188-28-4P **378188-29-5P** 378188-30-8P
378188-31-9P 378188-32-0P 378188-33-1P
(preparation of dihalopropenyloxyphenylalkanone oximes as insecticides and acaricides)
IT 5535-70-6P 67963-68-2P, 1-Bromo-4-(tert-butyldimethylsilyloxy)benzene 155828-47-0P 159191-56-7P, 4-(tert-Butyldimethylsilyloxy)phenylboronic acid 182568-54-3P
182568-55-4P 345200-79-5P 378187-34-9P 378187-38-3P
378187-40-7P 378187-41-8P 378187-44-1P 378187-45-2P
378187-46-3P 378187-47-4P 378187-48-5P **378187-50-9P**
378187-51-0P 378187-55-4P 378187-56-5P 378187-57-6P
378187-58-7P 378187-60-1P 378187-61-2P 378187-62-3P
378187-70-3P 378187-71-4P 378187-73-6P 378187-77-0P
378187-78-1P **378187-79-2P** 378187-80-5P 378187-86-1P
378187-88-3P **378187-91-8P** 378187-95-2P 378187-97-4P
378187-99-6P 378188-01-3P 378188-03-5P 378188-05-7P
378188-15-9P 378188-17-1P **378188-19-3P** 378188-34-2P
378188-35-3P 378188-36-4P 378188-37-5P 378188-38-6P
378188-39-7P 378188-40-0P 378188-41-1P
(preparation of dihalopropenyloxyphenylalkanone oximes as insecticides and acaricides)

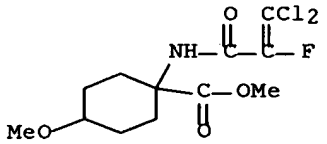
L37 ANSWER 8 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:54210 HCAPLUS Full-text
DOCUMENT NUMBER: 132:89502
TITLE: Preparation of 3,3-dichloro-2-fluoroacrylic acid derivatives as agrochemical microbicides and insecticides
INVENTOR(S): Fischer, Reiner; Hagemann, Hermann; Wachendorff, Ulrike; Erdelen, Christoph; Dutzmann, Stefan; Haenssler, Gerd; Mauler-Machnik, Astrid
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 38 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent

LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19832445	A1	20000120	DE 1998-19832445 <--	19980718
WO 2000003580	A2	20000127	WO 1999-EP4746 <--	19990707
WO 2000003580	A3	20000420		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9949083	A1	20000207	AU 1999-49083 <--	19990707

PRIORITY APPLN. INFO.: DE 1998-19832445 A 19980718 <-- WO 1999-EP4746 W 19990707 <--

OTHER SOURCE(S): MARPAT 132:89502
ED Entered STN: 23 Jan 2000
AB The 3,3-dichlor-2-fluoroacrylic acid derivs. Cl2C:CF(COA) (A = OH, OMe, OCH2Ph, NHCMeCO2Me, NHCMePh, CH2CH2OMe, CHMeCO2H, etc.) are prepd as agrochem. microbicides and insecticides and enhancers for azole fungicides.
IT **254979-97-0P**
(preparation as agrochem. microbicides and insecticides)
RN 254979-97-0 HCAPLUS
CN Cyclohexanecarboxylic acid, 1-[(3,3-dichloro-2-fluoro-1-oxo-2-propenyl)amino]-4-methoxy-, methyl ester (9CI) (CA INDEX NAME)



IC ICM A01N037-18
ICS A01N043-50; A01N043-653
CC 5-4 (Agrochemical Bioregulators)
Section cross-reference(s): 25
IT 392-40-5P 433-62-5P 433-63-6P 254979-73-2P 254979-74-3P 254979-75-4P 254979-76-5P 254979-77-6P 254979-78-7P 254979-79-8P 254979-80-1P 254979-81-2P 254979-82-3P 254979-83-4P 254979-84-5P 254979-85-6P 254979-86-7P 254979-88-9P 254979-89-0P 254979-90-3P 254979-91-4P 254979-92-5P 254979-93-6P 254979-94-7P 254979-95-8P 254979-96-9P **254979-97-0P** 254979-98-1P 254979-99-2P 254980-01-3P **254980-03-5P** 254980-05-7P 254980-07-9P
(preparation as agrochem. microbicides and insecticides)

L37 ANSWER 9 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:18277 HCAPLUS Full-text
DOCUMENT NUMBER: 132:46272
TITLE: Synergistic insecticidal composition containing 3,5-dichloro-1-(3,3-dichloro-2-propenyloxy)-4-[3-(5-trifluoromethylpyridin-2-yloxy)propoxy]benzene and a pyrethroid.
INVENTOR(S): Saito, Shigeru
PATENT ASSIGNEE(S): Sumitomo Chemical Company Limited, Japan
SOURCE: Fr. Demande, 18 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2779032	A1	19991203	FR 1999-6937 <--	19990602
FR 2779032	B1	20010209		
JP 2000053508	A	20000222	JP 1999-109644 <--	19990416
IL 129757	A	20030731	IL 1999-129757 <--	19990504
US 6159991	A	20001212	US 1999-306453 <--	19990506
AU 9926987	A	19991209	AU 1999-26987 <--	19990507
AU 745189	B2	20020314		
ZA 9903197	A	19991110	ZA 1999-3197 <--	19990510
GR 1003324	B2	20000224	GR 1999-100153 <--	19990510
EG 22705	A	20030730	EG 1999-593 <--	19990523
MX 9904788	A	20000331	MX 1999-4788 <--	19990524
KR 2000005737	A	20000125	KR 1999-19499 <--	19990528
ES 2157797	A1	20010816	ES 1999-1171 <--	19990528
ES 2157797	B1	20020316		
BR 9901761	A	20000502	BR 1999-1761 <--	19990601
IT 1307041	B1	20011023	IT 1999-TO463 <--	19990601
CN 1238125	A	19991215	CN 1999-106969 <--	19990602

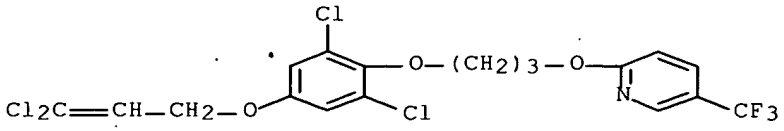
PRIORITY APPLN. INFO.: JP 1998-152736 A 19980602 <--

ED Entered STN: 10 Jan 2000
AB Synergistic insecticidal composition contain 3,5-dichloro-1-(3,3-dichloro-2-propenyloxy)-4-[3-(5-trifluoromethylpyridin-2-yloxy)propoxy]benzene and a pyrethrinoid, such as esfenvalerate, fenvalerate, flucythrinate, etc.
IT **252936-48-4**
(synergistic insecticidal composition)
RN 252936-48-4 HCAPLUS
CN Benzeneacetic acid, 4-chloro-α-(1-methylethyl)-,

cyano(3-phenoxyphenyl)methyl ester, mixt. with 2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl)pyridine (9CI) (CA INDEX NAME)

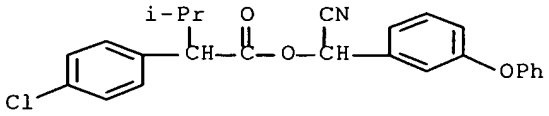
CM 1

CRN 179101-81-6
CMF C18 H14 Cl4 F3 N O3



CM 2

CRN 51630-58-1
CMF C25 H22 Cl N O3



IC ICM A01N053-00
ICI A01N053-00, A01N043-40
CC 5-4 (Agrochemical Bioregulators)
IT **252936-48-4 252936-49-5** 252936-50-8 252936-51-9 252936-52-0 252936-53-1 252936-54-2 252936-55-3 252936-56-4 252936-57-5 **252936-58-6**
(synergistic insecticidal composition)

L37 ANSWER 10 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1999:708444 HCAPLUS Full-text
DOCUMENT NUMBER: 131:310455
TITLE: Preparation of aroylaminoacetonitriles as agricultural and horticultural insecticides
INVENTOR(S): Andoh, Nobuharu; Sanpei, Osamu; Sakata, Kazuyuki
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 63 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 953565	A2	19991103	EP 1999-107461 <--	19990428

EP 953565	A3	20021204		
EP 953565	B1	20040908		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6239077	B1	20010529	US 1999-295319 <--	19990421
TW 585849	B	20040501	TW 1999-88106732 <--	19990427
EP 1445251	A1	20040811	EP 2004-10346 <--	19990428
EP 1445251	B1	20061227		
R: CH, DE, FR, GB, IT, LI				
CN 1234177	A	19991110	CN 1999-105289 <--	19990430
CN 1132516	B	20031231		
AU 9926027	A	19991111	AU 1999-26027 <--	19990430
AU 752112	B2	20020905		
JP 2000026392	A	20000125	JP 1999-124560 <--	19990430
PRIORITY APPLN. INFO.:			JP 1998-137806 <--	A 19980501
			EP 1999-107461 <--	A3 19990428

OTHER SOURCE(S): MARPAT 131:310455

ED Entered STN: 05 Nov 1999

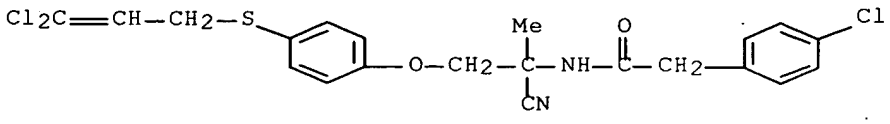
AB Ar1QdCONR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [I; Ar1, Ar2 = (substituted) Ph, PhO, pyridyl, pyridyloxy, naphthyl; Q = CR1R2; R1, R2 = H, halo, (halo)alkyl, (halo)alkoxy, (substituted) cycloalkyl; R1R2 = (substituted) C2-6 alkylene, CH:CH, C.tplbond.C; d = 0, 1; R3 = H, (halo)alkyl; R4-R8 = H, halo, (halo)alkyl; W = O, S, SO2, NR9; R9 = H, alkyl; a, b = 0-4], were prepared Thus, 4-chlorophenol, bromoacetaldehyde di-Me acetal, K2CO3, and cat. NaI were refluxed 3 h in DMF to give 4-chlorophenoxyacetaldehyde di-Me acetal. This was refluxed with aqueous HCl in acetone to give crude 4-chlorophenoxyacetaldehyde, which was stirred with NaCN and NH4Cl in aqueous NH3 to give a reside. This was stirred with 4-chlorophenylacetyl chloride and Et3N in THF to give I (Ar1, Ar2 = 4-ClC6H4; R1-R8 = H; W = O; a, d = 1; b = 0). Numerous I at 500 ppm gave 100% kill of Plutella xylostella on cabbage seedlings.

IT **247198-26-1P**

(preparation of aroylaminoacetonitriles as agricultural and horticultural insecticides)

RN 247198-26-1 HCAPLUS

CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)thio]phenoxy]-1-methylethyl]- (9CI) (CA INDEX NAME)



IC ICM C07C255-26
ICS A01N037-34; C07C317-14

CC 25-20 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT 247197-13-3P 247197-14-4P 247197-15-5P 247197-16-6P

247197-17-7P 247197-18-8P 247197-20-2P 247197-22-4P
247197-24-6P 247197-25-7P 247197-27-9P 247197-29-1P
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247199-70-8P

(preparation of aroylaminoacetonitriles as agricultural and horticultural insecticides)

L37 ANSWER 11 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:682354 HCAPLUS Full-text
DOCUMENT NUMBER: 129:316033
TITLE: Preparation of oximes as insecticidal and acaricidal agents
INVENTOR(S): Ikegami, Hiroshi; Izumi, Keiichi; Suzuki, Masaya; Sakamoto, Noriyasu; Saito, Shigeru
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 735 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9845254	A2	19981015	WO 1998-JP1342 <--	19980326
WO 9845254	A3	19990826		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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AU 9865179	A	19981030	AU 1998-65179 <--	19980326
AU 728844	B2	20010118		
EP 975586	A2	20000202	EP 1998-911012 <--	19980326
EP 975586	B1	20041201		
R: CH, DE, ES, FR, GB, IT, LI				
ES 2234101	T3	20050616	ES 1998-911012 <--	19980326
JP 10338668	A	19981222	JP 1998-82251 <--	19980327
ZA 9802682	A	19980929	ZA 1998-2682 <--	19980331
TW 530041	B	20030501	TW 1998-87105042 <--	19980403
EG 22402	A	20030129	EG 1998-391 <--	19980405
JP 11147864	A	19990602	JP 1998-247936 <--	19980724
JP 11152258	A	19990608	JP 1998-246508 <--	19980727
US 6437184	B1	20020820	US 1999-402199 <--	19991001
US 2002019569	A1	20020214	US 2001-839201 <--	20010423
US 6448444	B2	20020910		
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JP 1997-245892	A	19970806
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JP 1997-247400	A	19970807
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WO 1998-JP1342	W	19980326
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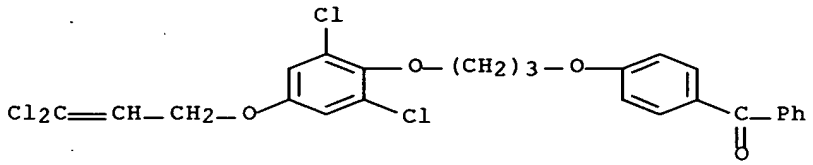
US 1999-402199	A3	19991001
<--		

OTHER SOURCE(S): MARPAT 129:316033
ED Entered STN: 28 Oct 1998

AB The title compds. [I; R1-R3 = halo, C1-3 alkyl, C1-3 haloalkyl, etc.; R4 = 3,3-dihalo-2-propenyl; a = 0-2; Y = O, S, NH; Z = O, S, NR5 (wherein R5 = H, Ac, C1-3 alkyl); X = R6ON:C(R7)A1-, R8C(R9):NOA2- (R6 = H, C1-8 alkyl, C2-6 haloalkyl, etc.; R7 = H, C1-6 alkyl, C1-3 haloalkyl, etc.; R8, R9 = H, C1-11 alkyl, C1-6 haloalkyl, etc.; A1 = (CR19:CR20)h(CR21R22)i, (CR19:CR20)h(CR21R22)jQ1(CR23R24)k, etc.; R19-R24 = H, C1-3 alkyl, CF3; h = 0-1; i = 1-6; j = 1-3; k = 2-8; Q1 = O, S, S(O), S(O)2, etc.; A2 = (CR19R20)jC.tplbond.C(CR23R24)m, (CR19R20)hE(CR23R24)p, etc.; E = C5-6 cycloalkylene)]; useful as insecticidal/acaricidal agents, were prepared Thus, reaction of 4-[2,6-dichloro-4-(3,3-dichloro-2-propenyloxy)phenoxy]butyloxyacetalde hyde with O-(3,3-dichloro-2-propenyl)hydroxylamine hydrochloride in pyridine afforded 74% II which showed a mortality of 80% or higher against Spodoptera litura and Plutella xylostella.

IT **178044-55-8P**
(preparation of oximes as insecticidal and acaricidal agents)
RN 178044-55-8 HCAPLUS
CN Methanone, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]phenyl- (9CI) (CA INDEX NAME)



IC ICM C07C251-00
CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
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(preparation of oximes as insecticidal and acaricidal agents)
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(preparation of oximes as insecticidal and acaricidal agents)

IT **214703-78-3P 214703-79-4P 214703-80-7P**
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(preparation of oximes as insecticidal and acaricidal agents)

IT 524-38-9P 5501-49-5P 18498-67-4P 51451-05-9P 52010-97-6P
55676-22-7P, 5-Acetyl-2-chloropyridine 79849-46-0P 110922-31-1P
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214705-83-6P
(preparation of oximes as insecticidal and acaricidal agents)

L37 ANSWER 12 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:533604 HCAPLUS Full-text
DOCUMENT NUMBER: 127:205343
TITLE: Dihalopropene compounds, their use as insecticides/acaricides, and intermediates for their production
INVENTOR(S): Ikegami, Hiroshi; Izumi, Keiichi; Suzuki, Masaya; Sakamoto, Noriyasu; Takano, Hirotaka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 228 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9728112	A1	19970807	WO 1997-JP141 <--	19970123
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9713199	A	19970822	AU 1997-13199 <--	19970123
AU 709705	B2	19990902		
EP 888270	A1	19990107	EP 1997-900759 <--	19970123
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R: CH, DE, ES, FR, GB, IT, LI				
CN 1209798	A	19990303	CN 1997-191944 <--	19970123
JP 10204017	A	19980804	JP 1997-28557 <--	19970127
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IN 1997MA00173	A	20050304	IN 1997-MA173 <--	19970129
ZA 9700724	A	19971104	ZA 1997-724 <--	19970130
AU 9863564	A	19980702	AU 1998-63564 <--	19980423
AU 702043	B2	19990211		
US 6140274	A	20001031	US 1998-91082 <--	19980612

PRIORITY APPLN. INFO.:	JP 1996-14120 <--	A	19960130
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	WO 1997-JP141 <--	W	19970123

OTHER SOURCE(S): MARPAT 127:205343

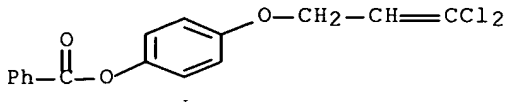
ED Entered STN: 21 Aug 1997

AB Dihalopropene compds. I [R1 = substituted alkyl; R2, R3, R4 = halo, alkyl, haloalkyl, alkoxy, haloalkoxy, NO2, cyano; A = O, S(O)m, NR14; R14 = H, alkyl; t = 0-2; B = substituted alkylene, alkenylene, alkynylene; n = 0-2; X's = halo; Y = O, S, NH; Z = O, S, NR25; R25 = H, Ac, alkyl] are disclosed. I are useful as active ingredients of insecticidal/acaricidal agents. For instance, Mitsunobu etherification of 4-(3,3-dichloro-2-propenyloxy)butanol with 2,6-dichloro-4-(3,3-dichloro-2-propenyloxy)phenol using DIAD and PPh3 in THF gave 73% title compound II. Applied to cabbages as a 200-ppm emulsified solution, II gave ≥ 80% mortality of larval Plutella xylostella. Several compds. I were also active against the acarid Tetranychus urticae.

IT **178043-36-2P**
(intermediate; preparation of phenoxydihalopropene compds. as insecticides and acaricides)

RN 178043-36-2 HCAPLUS

CN Phenol, 4-[(3,3-dichloro-2-propenyl)oxy]-, benzoate (9CI) (CA INDEX NAME)



IC ICM C07C043-20
ICS C07C323-20; C07C217-84; C07C321-28; C07C323-36; C07C211-51; A01N031-16; A01N033-06; A01N033-08

CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT 1687-64-5P 5501-49-5P 7564-39-8P 77237-42-4P 77243-52-8P
178043-12-4P **178043-36-2P** 178043-37-3P 178043-46-4P
184344-91-0P 184344-92-1P 184344-93-2P 184344-94-3P
194722-45-7P 194722-46-8P 194722-47-9P 194722-48-0P
194722-49-1P 194722-50-4P 194722-51-5P 194722-52-6P
194722-53-7P 194722-54-8P 194722-55-9P 194722-56-0P
194722-57-1P 194722-58-2P 194722-59-3P
(intermediate; preparation of phenoxydihalopropene compds. as insecticides and acaricides)

L37 ANSWER 13 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:513623 HCAPLUS Full-text

DOCUMENT NUMBER: 127:190529

TITLE: Dihalopropene compounds, their use as insecticides/acaricides, and intermediates for their production

INVENTOR(S): Ikegami, Hiroshi; Hirose, Taro; Suzuki, Masaya; Izumi, Keiichi; Sakamoto, Noriyasu; Takano, Hirotaka; Takada, Yoji

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Ltd., Japan

SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 9727173	A2	19970731	WO 1997-JP76 <--	19970117
WO 9727173	A3	19980402		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9713992	A	19970820	AU 1997-13992 <--	19970117
JP 09263572	A	19971007	JP 1997-8040 <--	19970120
IN 1997MA00121	A	20050304	IN 1997-MA121 <--	19970122
ZA 9700559	A	19970730	ZA 1997-559 <--	19970123
PRIORITY APPLN. INFO.:			JP 1996-10424 <--	A 19960124
			WO 1997-JP76 <--	W 19970117

OTHER SOURCE(S): MARPAT 127:190529

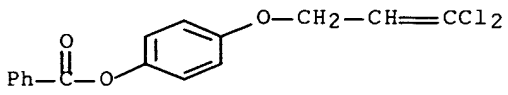
ED Entered STN: 13 Aug 1997

AB Dihalopropene compds. I [wherein R, R2, R3 = halo, haloalkyl, alkyl; R4 = H, alkyl; R5, R6 = H, alkyl, CF3; R7 = halo, alkyl, CF3; R8, R9 = H, alk(en/yn)yl, haloalk(en/yn)yl, etc.; Q1 = bond or various C and/or heteroat. linkage groups; Q2 = bond, O, NR14; R14 = H, alkyl; X = Cl, Br; Y = O, NH, S; Z = O, S, NR15; R15 = H, alkyl; n = 0-4; p = 0-6; and q = 0-2], which have excellent insecticidal/acaricidal activity, are disclosed. For instance, etherification of 3,5-dichloro-4-(4- bromobutoxy)-1-(3,3-dichloro-2-propenyloxy)benzene (preparation given) with 4-(1-piperidinylcarbonyl)phenol using K2CO3 in DMF at room temperature gave title compound II. At 500 ppm in the diet of larval Spodoptera litura or Plutella xylostella, II gave 80% mortality in 4-6 days. I also gave ≥ 60% mortality of Tetranychus urticae upon spray application at 500 ppm.

IT **178043-36-2P**
(intermediate; preparation of dihalopropene compds. as insecticides and acaricides)

RN 178043-36-2 HCAPLUS

CN Phenol, 4-[(3,3-dichloro-2-propenyl)oxy]-, benzoate (9CI) (CA INDEX NAME)



IC ICM C07C233-64
ICS C07C235-42; C07C237-28; C07C271-40; C07C275-28; C07C333-02

CC 25-21 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5, 27, 28

IT 1486-50-6P, 4-(Benzyloxy)benzoyl chloride 1486-51-7P, 4-(Benzyloxy)benzoic acid 1687-64-5P, 2-Ethyl-6-methylphenol

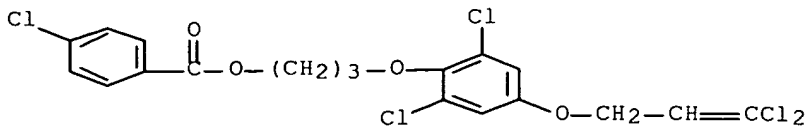
7564-39-8P, 4-Bromo-2-ethyl-6-methylphenol 32122-11-5P, Methyl 4-(benzyloxy)benzoate 155916-12-4P, 2,6-Dichloro-4-(benzyloxy)phenol 178043-12-4P **178043-36-2P** 178043-37-3P 178043-45-3P 178043-46-4P **178046-27-0P** 179101-67-8P 184344-91-0P 184344-92-1P, 3-Ethyl-4-(benzyloxy)-5-methylphenol 184344-93-2P 184344-94-3P **194225-04-2P** **194225-05-3P** **194225-06-4P** 194225-07-5P 194225-08-6P 194225-09-7P 194225-10-0P 194225-11-1P **194225-14-4P**
(intermediate; preparation of dihalopropene compds. as insecticides and acaricides)

IT **194224-91-4P** **194224-92-5P** **194224-93-6P** **194224-94-7P** **194224-95-8P** **194224-96-9P** **194224-97-0P** **194224-98-1P** **194224-99-2P** **194225-00-8P** **194225-01-9P** **194225-02-0P** **194225-03-1P**
(preparation of dihalopropene compds. as insecticides and acaricides)

L37 ANSWER 14 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:509102 HCAPLUS Full-text
DOCUMENT NUMBER: 127:220458
TITLE: Preparation of (3,3-dihalo-2-propenyloxy)benzene derivatives and their intermediates and insecticides and acaricides containing the derivatives
INVENTOR(S): Izumi, Keiichi; Ikegami, Hiroshi; Suzuki, Masaya; Sakamoto, Noriyasu; Takano, Masataka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 135 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09194418	A	19970729	JP 1996-25789 <--	19960118
PRIORITY APPLN. INFO.:			JP 1996-25789 <--	19960118

OTHER SOURCE(S): MARPAT 127:220458
ED Entered STN: 11 Aug 1997
AB The title derivs. I [R = ZR1; R1 = aliphatic group, alicyclic group which may be substituted with halo or more complex substituents containing aromatic or heterocyclyl group, etc.; X = O, S: X = Cl, Br; R2-4 = H, halo, C1-3 (halo)alkyl; ≥1 of R2-4 = H] (II) and their intermediates I (R = OH) are prepared Insecticides and acaricides containing II are also claimed. 4-(4-Bromophenethyloxy)-2,6-dichloro-1-(3,3-dichloro-2- propenyloxy)benzene (preparation given) showed ≥80% insecticidal activity against Spodoptera litura. Formulations of II including fumigants, mosquito coils, etc. were also given.
IT **178044-94-5P**
(preparation of (dihalopropenyloxy)benzenes as insecticides and acaricides and their intermediates)
RN 178044-94-5 HCAPLUS
CN Benzoic acid, 4-chloro-, 3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl ester (9CI) (CA INDEX NAME)



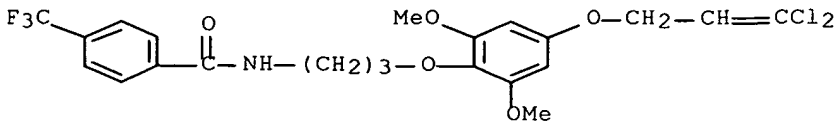
IC ICM C07C043-225
ICS A01N031-16; A01N037-10; A01N037-14; A01N037-20; A01N037-22; A01N037-24; A01N043-30; A01N043-32; A01N043-40; C07C043-23; C07C069-76; C07C233-15; C07C233-25; C07C235-46; C07C237-30; C07C237-42; C07C317-22; C07C323-11; C07C323-20
CC 25-3 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT **178044-94-5P** 179101-81-6P **184343-87-1P**
194939-85-0P 194939-87-2P 194939-89-4P 194939-91-8P
(preparation of (dihalopropenyloxy)benzenes as insecticides and acaricides and their intermediates)
IT 2444-19-1P 2444-21-5P 178043-15-7P 178043-19-1P 194939-90-7P
194940-40-4P 194940-41-5P 194940-42-6P
(preparation of (dihalopropenyloxy)benzenes as insecticides and acaricides and their intermediates)

L37 ANSWER 15 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:509101 HCAPLUS Full-text
DOCUMENT NUMBER: 127:186984
TITLE: Preparation of (3,3-dihalo-2-propenyloxy)benzene derivatives and their intermediates and insecticides and acaricides containing the derivatives
INVENTOR(S): Izumi, Keiichi; Ikegami, Hiroshi; Suzuki, Masaya; Sakamoto, Noriyasu; Takano, Masataka
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 107 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09194417	A	19970729	JP 1996-3888 <--	19960112
PRIORITY APPLN. INFO.:			JP 1996-3888 <--	19960112

OTHER SOURCE(S): MARPAT 127:186984
ED Entered STN: 11 Aug 1997
AB The title derivs. I [R = ZR1; R1 = aliphatic group which may substituted with halo or more complex group containing aromatic or heterocyclic group, etc. (Markush structures for these substituents given); Z = O, S; X = Cl, Br; R2= C1-3 (halo)alkoxy, NO2, cyano; Y = C1-3 alkyl, halo; n = 1-4; m = 0-3; n + m ≤ 4] (II) and their intermediates I (R = OH) are prepared Insecticides and acaricides containing II are also claimed. 1-(3,3-Dichloro-2-propenyloxy)-3,5-dimethoxy-4-[3-[4- (trifluoromethoxy)phenoxy]propyloxy]benzene, prepared by treatment of 3,5-Dimethoxy-4-[3-[4-(trifluoromethoxy)phenoxy]propyloxy]phenol (preparation given) with Cl2C:CHCH2Cl, controlled house flies. Formulations of II were also given.

IT **194286-23-2P**
(preparation of (dihalopropenyloxy)benzene derivs. as insecticides and acaricides and their intermediates)
RN 194286-23-2 HCAPLUS
CN Benzamide, N-[3-[4-[(3,3-dichloro-2-propenyl)oxy]-2,6-dimethoxyphenoxy]propyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



IC ICM C07C043-225
ICS A01N031-16; A01N033-22; C07C043-23; C07C205-37; C07C233-69; C07D213-64
CC 5-4 (Agrochemical Bioregulators)
Section cross-reference(s): 25
IT 194286-13-0P 194286-14-1P 194286-19-6P **194286-23-2P**
194286-24-3P 194286-25-4P 194286-28-7P
(preparation of (dihalopropenyloxy)benzene derivs. as insecticides and acaricides and their intermediates)
IT 125106-77-6P 178043-37-3P 194286-12-9P 194286-15-2P
194286-16-3P 194286-17-4P 194286-26-5P 194286-38-9P
194286-39-0P 194286-40-3P **194286-41-4P** 194286-43-6P
194286-44-7P
(preparation of (dihalopropenyloxy)benzene derivs. as insecticides and acaricides and their intermediates)

L37 ANSWER 16 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:751632 HCAPLUS Full-text
DOCUMENT NUMBER: 126:31173
TITLE: Preparation of phenyl-substituted dihalopropene insecticides
INVENTOR(S): Matsuo, Sanshiro; Hirose, Taro; Izumi, Keiichi; Suzuki, Masaya; Sakamoto, Noriyasu; Tsushima, Kazunori; Saito, Shigeru; Takano, Hirotaka
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 179 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9633160	A1	19961024	WO 1996-JP989 <--	19960411
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
JP 09249610	A	19970922	JP 1996-84045	19960405

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JP 3814866	B2	20060830		
AU 9652878	A	19961107	AU 1996-52878	19960411
			<--	
EP 824514	A1	19980225	EP 1996-909336	19960411
			<--	
EP 824514	B1	20000906		
R: CH, DE, FR, GB, IT, LI				
CN 1187809	A	19980715	CN 1996-194792	19960411
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ZA 9602968	A	19961022	ZA 1996-2968	19960415
			<--	
IL 117943	A	20001206	IL 1996-117943	19960417
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IL 130542	A	20001206	IL 1996-130542	19960417
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US 5952386	A	19990914	US 1997-913879	19970924
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US 6028100	A	20000222	US 1998-153859	19980916
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US 6214835	B1	20010410	US 1999-320281	19990602
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PRIORITY APPLN. INFO.:			JP 1995-92868	A 19950418
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			JP 1996-1774	A 19960109
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			WO 1996-JP989	W 19960411
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			IL 1996-117943	A3 19960417
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			US 1997-913879	A3 19970924
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			US 1998-153859	A3 19980916
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OTHER SOURCE(S): MARPAT 126:31173

ED Entered STN: 23 Dec 1996

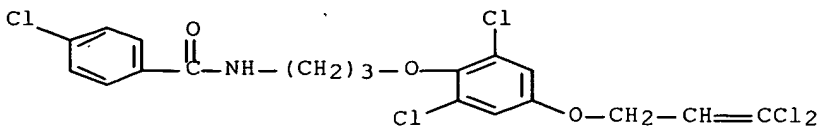
AB The title compds. [I; L = CO, CS, (un)substituted CONH, etc.; R1 = (un)substituted alkyl, (un)substituted alkenyl, (un)substituted cycloalkyl, etc.; R2-R4 = halogen, haloalkyl, alkyl; R5-R7 = H, alkyl, CF3; X = Cl, Br; Y = O, NH, S; Z = O, S. (un)substituted NH; m = 0-4; n = 0-2], effective for the control of noxious insects, are prepared and I-containing formulations presented. Thus, 3,5-dichloro-4-(3- aminopropyloxy)-1-(3,3-dichloro-2-propenyloxy)benzene was amidated with 4-chlorobenzoyl chloride, producing 3,5-dichloro-4-[3-(4- chlorobenzamido)propyloxy]-1-(3,3-dichloro-2-propenyloxy)benzene (m.p. 95.1°), which demonstrated an 80% control of Plutella xylostella at 25 ppm.

IT **184343-86-0P**

(preparation of phenyl-substituted dihalopropene insecticides)

RN 184343-86-0 HCAPLUS

CN Benzamide, 4-chloro-N-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl]- (9CI) (CA INDEX NAME)



IC ICM C07C233-69
ICS C07C233-22; C07C235-24; C07C235-06; C07C311-29; C07C275-34; C07C271-28; C07C271-16; C07D213-81; C07C235-48; C07C255-57; C07D213-82; C07D333-38; C07D307-68; C07D209-42; A01N037-20; A01N037-22; A01N047-30; A01N037-34; A01N047-12
CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT **184343-86-0P 184343-87-1P** 184343-88-2P
184343-89-3P 184343-90-6P **184343-91-7P**
184343-92-8P 184343-93-9P 184343-94-0P
184343-95-1P **184343-96-2P 184343-97-3P**
184343-98-4P 184343-99-5P **184344-00-1P**
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184344-04-5P 184344-05-6P 184344-06-7P
184344-07-8P **184344-08-9P 184344-09-0P**
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184344-43-2P **184344-44-3P 184344-45-4P**
184344-46-5P 184344-47-6P 184344-48-7P
184344-49-8P 184344-50-1P **184344-51-2P**
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184344-76-1P 184344-77-2P 184344-78-3P 184344-79-4P
184344-80-7P 184344-81-8P 184344-82-9P 184344-83-0P
(preparation of phenyl-substituted dihalopropene insecticides)
IT 1687-64-5P, 2-Ethyl-6-methylphenol 7564-39-8P 178043-12-4P
178043-36-2P 178043-37-3P 178043-45-3P
178043-47-5P 178043-48-6P 178045-88-0P 179102-12-6P
179549-64-5P 184344-84-1P 184344-85-2P 184344-86-3P
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184345-41-3P 184345-44-6P 184345-45-7P 184345-46-8P
184345-47-9P
(preparation of phenyl-substituted dihalopropene insecticides)

L37 ANSWER 17 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:457765 HCAPLUS Full-text
DOCUMENT NUMBER: 125:114466

TITLE: Preparation of dihalopropene insecticides and acaricides

INVENTOR(S): Sakamoto, Noriyasu; Matsuo, Sanshiro; Suzuki, Masaya; Hirose, Taro; Tsushima, Kazunori; Umeda, Kimitoshi

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 218 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9611909	A1	19960425	WO 1995-JP2080 <--	19951012
W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
IN 1995MA01293	A	20050225	IN 1995-MA1293 <--	19951009
CA 2202495	A1	19960425	CA 1995-2202495 <--	19951012
AU 9536728	A	19960506	AU 1995-36728 <--	19951012
AU 692930	B2	19980618		
EP 785923	A1	19970730	EP 1995-934276 <--	19951012
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CN 1169147	A	19971231	CN 1995-196682 <--	19951012
CN 1088061	B	20020724		
HU 77014	A2	19980302	HU 1997-2014 <--	19951012
BR 9509315	A	19980526	BR 1995-9315 <--	19951012
AT 191477	T	20000415	AT 1995-934276 <--	19951012
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IL 130674	A	20000716	IL 1995-130674 <--	19951012
IL 115597	A	20000726	IL 1995-115597 <--	19951012
IL 130673	A	20000726	IL 1995-130673 <--	19951012
RU 2158260	C2	20001027	RU 1997-107997 <--	19951012
CN 1654455	A	20050817	CN 2005-10054414 <--	19951012
ZA 9508652	A	19960514	ZA 1995-8652 <--	19951013

JP 09151172	A	19970610	JP 1995-265986 <--	19951013
JP 3106928	B2	20001106		
EG 21672	A	20020227	EG 1995-854 <--	19951014
US 5922880	A	19990713	US 1997-809865 <--	19970520
US 6071861	A	20000606	US 1998-203362 <--	19981202
US 6268313	B1	20010731	US 2000-521119 <--	20000307
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JP 2000355582	A	20001226	JP 2000-161945 <--	20000531
JP 3835125	B2	20061018		
CN 1318535	A	20011024	CN 2001-116628 <--	20010412
US 6376428	B1	20020423	US 2001-864227 <--	20010525
US 2003073847	A1	20030417	US 2002-86888 <--	20020304
US 6589914	B2	20030708		

PRIORITY APPLN. INFO.:	JP 1994-249296 <--	A 19941014
	JP 1995-91187 <--	A 19950417
	JP 1995-247922 <--	A 19950926
	IL 1995-115597 <--	A3 19951012
	WO 1995-JP2080 <--	W 19951012
	JP 1995-265986 <--	A3 19951013
	US 1997-809865 <--	B3 19970520
	US 1998-203362 <--	A3 19981202
	US 2000-521119 <--	A3 20000307
	CN 2001-116628 <--	A3 20010412
	US 2001-864227 <--	A3 20010525

OTHER SOURCE(S): MARPAT 125:114466

ED Entered STN: 03 Aug 1996

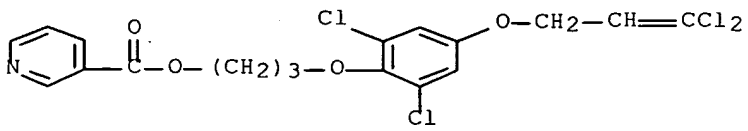
AB The title compds. [I; R1 = (un)substituted alkyl, (un)substituted alkenyl, etc; R2, R3, R10 = halogen, haloalkyl, alkyl; X = Cl, Br; Y = O, S, NH; Z = O, S, (un)substituted NH; t = 0-2], useful for the control of noxious insects, mites, and ticks, are prepared and I-containing formulations presented. Thus, 4-(3,3-dichloro-2-propenyloxy)-2,6- dichlorophenol was coupled with 2-(2-hydroxyethyl)thiophene in the presence of PPh3 and diisopropyl azodicarboxylate, producing insecticidal 3,5-dichloro-4-[2-(2-thienyl)ethoxy]-1-[3,3-dichloro-2- propenyloxy]benzene in 62% yield.

IT **179101-99-6P**

(preparation of dihalopropene insecticides and acaricides)

RN 179101-99-6 HCAPLUS

CN 3-Pyridinecarboxylic acid, 3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl ester (9CI) (CA INDEX NAME)



IC ICM C07D213-64
ICS C07D319-20; C07D317-22; C07D231-12; C07D333-16; C07D307-42; C07D277-24; A01N043-00; C07D233-68; C07D307-46; C07D261-20
CC 27-8 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 5, 25
IT 178043-44-2P 178043-45-3P 179101-60-1P 179101-61-2P
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(preparation of dihalopropene insecticides and acaricides)
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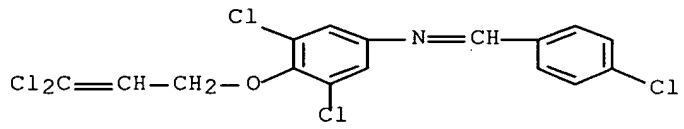
179101-68-9P 179101-69-0P 179101-70-3P 179101-71-4P
(preparation of dihalopropene insecticides and acaricides)

L37 ANSWER 18 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:446594 HCAPLUS Full-text
DOCUMENT NUMBER: 125:114287
TITLE: Preparation of 1-(2-propenyloxy)benzene derivatives as insecticides and acaricides
INVENTOR(S): Matsuo, Sanshiro; Suzuki, Masaya; Sakamoto, Noryasu; Tsushima, Kazuhiro; Umeda, Kimitoshi
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 58 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08109156	A	19960430	JP 1994-245990 <--	19941012
PRIORITY APPLN. INFO.:			JP 1994-245990 <--	19941012

OTHER SOURCE(S): MARPAT 125:114287
ED Entered STN: 30 Jul 1996
AB The title compds. [I; A = R1R10CH, Q, Q1; wherein R10 = H, C1-3 alkyl; R1 = H, halo, C1-10 alkyl, C1-5 haloalkyl, C2-10 alkenyl, C2-6 haloalkenyl, C3-9 (halo)alkynyl, C1-7 alkoxy, C1-3 alkylthio, C2-7 alkoxyalkyl or alkylthioalkyl, etc.; or R1 and R10 are bonded together at the termini to form (un)substituted (CH2)n (n = 2-5), CH:CHCH2CH2, CH2CH:CHCH2, CH:CH(CH2)3, CH2CH:CHCH2CH2; R6 = halo, cyano, NO2, C1-8 alkyl, C1-3 haloalkyl, C1-7 alkoxy, C1-3 haloalkoxy, etc.; or adjacent 2 R6 are linked together to form (CH2)3, (CH2)4, methylenedioxy, or ethylenedioxy; R7, R8, R11 = H, C1-3 alkyl, CF3; Z = O, S, NH, C1-3 alkylimino; l = 0-5; p = 0-6; q = 1-6; R2, R3, R4 = H, halo, C1-3 alkyl, or CF3, provided that R2, R3, and R4 are not simultaneously H; R5 = H, C1-3 alkyl; X = Cl, Br; Y = O, NH, S] are prepared Thus, 3,5-dichloro-4-hydroxy-N-(4-chlorobenzylidene)aniline 2.00, 1,1,3-trichloropropene 0.96, and K2CO3 1.02 g were stirred in DMF at room temperature for 12 h to give 76% 3,5-dichloro-4-(3,3-dichloro-2- propenyloxy)-N-(4-chlorobenzylidene)aniline, which was reduced by NaBH4 in EtOH at room temperature for 6 h to give the title compound (II) in 76% yield. An artificial feed soaked with a diluted emulsion of 500 ppm II killed 100% Spodoptera litura larvae.
IT **178942-29-5P**
(preparation of (dihalopropenyloxy)benzene derivs. as insecticides and acaricides)
RN 178942-29-5 HCAPLUS
CN Benzenamine, 3,5-dichloro-N-[(4-chlorophenyl)methylene]-4-[(3,3-dichloro-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



IC ICM C07C211-50
ICS A01N033-06; A01N033-10; C07C211-52; C07C217-84; C07C323-37
CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT 3460-23-9P, 4'-Bromo-2'-chloroacetanilide 56074-07-8P, 2'-Chloro-4'-hydroxyacetanilide **178942-29-5P** **178942-30-8P** **178942-31-9P** 178942-32-0P **178942-33-1P** **178942-34-2P** 178942-35-3P 178942-36-4P 178942-37-5P 178942-38-6P 178942-39-7P 178942-40-0P 178942-41-1P 178942-42-2P 178942-43-3P
(preparation of (dihalopropenyloxy)benzene derivs. as insecticides and acaricides)

L37 ANSWER 19 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:379674 HCAPLUS Full-text
DOCUMENT NUMBER: 125:58089
TITLE: Preparation of substituted phenyl-containing dihalopropene insecticides and acaricides
INVENTOR(S): Sakamoto, Noriyasu; Suzuki, Masaya; Tsushima, Kazunori; Umeda, Kimitoshi
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 239 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9604228	A1	19960215	WO 1995-JP1439 <--	19950720
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
JP 08337549	A	19961224	JP 1995-181958 <--	19950718
JP 3834838	B2	20061018		
CA 2172709	A1	19960215	CA 1995-2172709 <--	19950720
AU 9529369	A	19960304	AU 1995-29369 <--	19950720
AU 692894	B2	19980618		
EP 722430	A1	19960724	EP 1995-925148 <--	19950720
EP 722430	B1	19981021		
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CN 1137265	A	19961204	CN 1995-190997 <--	19950720
CN 1128777	B	20031126		
HU 75028	A2	19970328	HU 1996-1186 <--	19950720
BR 9506309	A	19970805	BR 1995-6309 <--	19950720
AT 172448	T	19981115	AT 1995-925148 <--	19950720
ES 2124570	T3	19990201	ES 1995-925148 <--	19950720
RU 2144526	C1	20000120	RU 1996-113040 <--	19950720
IL 126135	A	20000229	IL 1995-126135 <--	19950725
IL 126136	A	20000229	IL 1995-126136 <--	19950725
IL 114724	A	20000601	IL 1995-114724 <--	19950725
ZA 9506312	A	19960304	ZA 1995-6312 <--	19950728
IN 1995MA00963	A	20050225	IN 1995-MA963 <--	19950728
MX 9601249	A	20000831	MX 1996-1249 <--	19960401
US 5872137	A	19990216	US 1997-917372 <--	19970826
PRIORITY APPLN. INFO.:			JP 1994-183461 A <--	19940804
			JP 1994-243931 A <--	19941007
			JP 1995-89737 A	19950414

<-- WO 1995-JP1439 W 19950720 <-- IL 1995-114724 A3 19950725 <-- US 1996-624488 B1 19960404 <--

OTHER SOURCE(S): MARPAT 125:58089

ED Entered STN: 02 Jul 1996

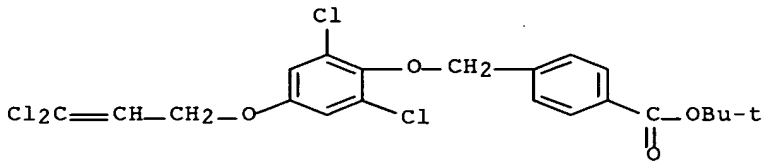
AB The title compds. [I; R1 = (un)substituted alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, etc.; R2, R3, R14 = halogen, haloalkyl, alkyl; X = Cl, Br; Y = O, NH, S], which have insecticidal and acaricidal activity, are prepared and I-containing formulations presented. Thus, 4-(3,3-dichloro-2-propenyloxy)-2,6-dichlorophenol was reacted with 4-phenyl-1-butanol in the presence of PPh3 and di-Et azodicarboxylate, producing pesticidal 3,5-dichloro-1-(3,3-dichloro-2- propenyloxy)-4-(4-phenylbutyloxy)benzene in 73% yield.

IT **178043-59-9P**

(preparation of substituted phenyl-containing dihalopropene insecticides and acaricides)

RN 178043-59-9 HCAPLUS

CN Benzoic acid, 4-[[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IC ICM C07C043-225
ICS A01N031-16; A01N033-02; A01N037-12; A01N043-08; C07C069-76; C07C217-04; C07C323-12; C07C323-20; C07C043-23

CC 25-9 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT

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178045-89-1P

(preparation of substituted phenyl-containing dihalopropene insecticides and acaricides)

IT 178045-90-4P **178045-91-5P** 178045-92-6P 178045-93-7P
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178046-40-7P 178046-41-8P 178046-42-9P 178046-43-0P
178046-44-1P 178046-45-2P 178046-46-3P
(preparation of substituted phenyl-containing dihalopropene insecticides and
acaricides)
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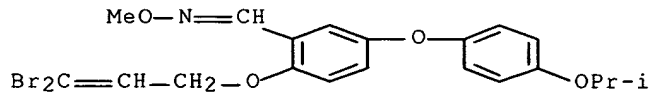
178043-44-2P 178043-45-3P 178043-46-4P **178043-47-5P**
178043-48-6P 178043-49-7P
(preparation of substituted phenyl-containing dihalopropene insecticides and
acaricides)

L37 ANSWER 20 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:871989 HCAPLUS Full-text
DOCUMENT NUMBER: 123:285501
TITLE: Preparation of dihalopropene aryl ethers as insecticides and acaricides.
INVENTOR(S): Sakamoto, Noriyasu; Suzuki, Masaya; Nagatomi, Toshio; Tsushima, Kazunori; Umeda, Kimitoshi
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 113 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 648729	A1	19950419	EP 1994-116487 <--	19941019
EP 648729	B1	19980715		
R: CH, DE, ES, FR, GB, IT, LI				
JP 07188088	A	19950725	JP 1994-242660 <--	19941006
JP 3823329	B2	20060920		
AU 9475880	A	19950511	AU 1994-75880 <--	19941017
AU 675580	B2	19970206		
CA 2118349	A1	19950420	CA 1994-2118349 <--	19941018
BR 9404147	A	19950613	BR 1994-4147 <--	19941018
ZA 9408162	A	19950619	ZA 1994-8162 <--	19941018
RU 2130008	C1	19990510	RU 1994-37561 <--	19941018
CN 1108642	A	19950920	CN 1994-117139 <--	19941019

CN 1080251	B	20020306		
US 5530015	A	19960625	US 1994-325597 <--	19941019
ES 2119046	T3	19981001	ES 1994-116487 <--	19941019
US 5698702	A	19971216	US 1996-600179 <--	19960212
PRIORITY APPLN. INFO.:			JP 1993-261380 <--	A 19931019
			US 1994-325597 <--	A3 19941019

OTHER SOURCE(S): CASREACT 123:285501; MARPAT 123:285501
ED Entered STN: 24 Oct 1995
AB Title compds. I (l = 1-5; m = 1-4; R1 = halo, NC, AcNH, F3CCONH, O2N, C1-8 alkyl, C1-3 haloalkyl, C1-7 alkoxy, C3-6 cycloalkyl, Ph, pyridyloxy, PhO, PhCH2, etc.; R2 = halo, C1-5 alkyl, C1-3 alkoxy, C2-4 alkenyl, (substituted) Ph, etc.; D = O, NH, S; X = Br, Cl; Y = O, (substituted) NH, etc.; Z, P, Q = N, CH), are prepared The intermediates for I are also prepared 3-Ethyl-4-(4-isopropoxyphenoxy)phenol (preparation given), K2CO3, DMF, and 1,1,3-tribromo-1-propene were added at room temperature for 12 h to give I (R1l = 4-Me2CHO, R2m = 3-Et, D = Y = O, X = Br, Z = P = Q = CH) (II). In test against Spotoptera litura II at 500 ppm exhibited not less than 80% mortality.
IT **169244-99-9P**
(preparation of dihalopropene aryl ethers as insecticides and acaricides)
RN 169244-99-9 HCAPLUS
CN Benzaldehyde, 2-[(3,3-dibromo-2-propenyl)oxy]-5-[4-(1-methylethoxy)phenoxy]-, O-methyloxime (9CI) (CA INDEX NAME)



IC ICM C07C043-29
ICS A01N031-08; A01N043-40; C07D213-64; C07C043-295; C07C043-225; C07C323-20; C07D213-74
CC 25-9 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5, 27
IT 169243-87-2P 169243-88-3P 169243-89-4P 169243-90-7P
169243-91-8P 169243-92-9P 169243-93-0P 169243-94-1P
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(preparation of dihalopropene aryl ethers as insecticides and acaricides)

IT 169246-27-9P 169246-28-0P 169246-29-1P 169246-30-4P
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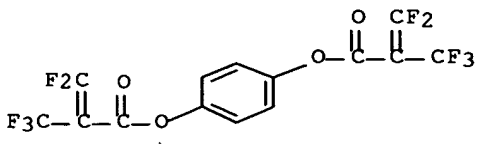
169247-30-7P 169247-31-8P 169247-32-9P **169247-33-0P**
169247-34-1P 169247-35-2P
(preparation of dihalopropene aryl ethers as insecticides and acaricides)

L37 ANSWER 21 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1990:157784 HCAPLUS Full-text
DOCUMENT NUMBER: 112:157784
TITLE: Bis-α-hydrohexafluoroisobutyrates and bispentafluoromethacrylates
AUTHOR(S): Bargamov, G. G.; Rokhlin, E. M.; Galakhov, M. V.; Mysov, E. I.
CORPORATE SOURCE: Inst. Elementoorg. Soedin., Moscow, USSR
SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (**1989**), (7), 1645-8
CODEN: IASKA6; ISSN: 0002-3353
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 112:157784
ED Entered STN: 28 Apr 1990
AB Addition reaction of (CF3)2C:C:O to HOZOH [Z = (CH2)2, (CH2)4, 1,4-phenylene] in Et2O at 0° gave 72-92% [(CF3)2CHCO2SO2]2Z (I) which were dehydrofluorinated by Et3N.BF3 to give [F2C:C(CF3)CO2]2Z. Bromination of I (Z = 1,4-phenylene) gave 59% [(CF3)2CBrCO2]2Z and treatment with aqueous Et3N gave (CF3CH2CO2)2Z. Addnl. obtained was polymeric [CF2CH(CF3)CO2CH2CH2O2CCH(CF3)CF2OCH2CH2O]n.
IT **125467-02-9P**
(preparation of)
RN 125467-02-9 HCAPLUS
CN 2-Propenoic acid, 3,3-difluoro-2-(trifluoromethyl)-, 1,4-phenylene ester (9CI) (CA INDEX NAME)



CC 25-17 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
IT 125466-52-6P **125467-02-9P 125467-03-0P**
125489-27-2P 125503-42-6P 125503-43-7P 125954-21-4P
(preparation of)

L37 ANSWER 22 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:457289 HCAPLUS Full-text
DOCUMENT NUMBER: 111:57289

TITLE: Preparation of substituted aminophenyl carbamates as agrochemical fungicides

INVENTOR(S): Kruger, Bernd Wieland; Sasse, Klaus; Heitkamper, Peter; Konig, Klaus; Brandes, Wilhelm; Hanssler, Gerd; Marhold, Albrecht

PATENT ASSIGNEE(S): Bayer A.-G., Fed. Rep. Ger.

SOURCE: Eur. Pat. Appl., 42 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 293718	A2	19881207	EP 1988-108239 <--	19880524
EP 293718	A3	19900131		
EP 293718	B1	19930203		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
DE 3804288	A1	19881215	DE 1988-3804288 <--	19880212
US 4939170	A	19900703	US 1988-197009 <--	19880520
ES 2043725	T3	19940101	ES 1988-108239 <--	19880524
JP 63310861	A	19881219	JP 1988-128585 <--	19880527
JP 2574397	B2	19970122		
BR 8802684	A	19881227	BR 1988-2684 <--	19880602
AU 8817327	A	19881208	AU 1988-17327 <--	19880603
AU 618264	B2	19911219		
US 5260474	A	19931109	US 1992-852484 <--	19920316
US 5371271	A	19941206	US 1993-90342 <--	19930818

PRIORITY APPLN. INFO.:

DE 1987-3718522 <--	A	19870603
DE 1988-3804288 <--	A	19880212
US 1988-197009 <--	A3	19880520
US 1990-473552 <--	B1	19900201
US 1992-852484 <--	A3	19920316

OTHER SOURCE(S): CASREACT 111:57289; MARPAT 111:57289

ED Entered STN: 20 Aug 1989

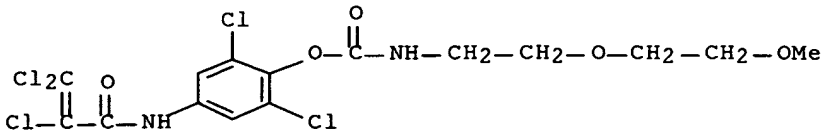
AB Y1Y2Y3Y4(XHN)C6OCONR1CR2R3CR4R5(CR6R7)nOZ [I; R1-R7 = H, alkyl, haloalkyl, alkoxyalkyl; X = H, CONR8R9, CO2R9, COSR9, COR10, SO2R9; R8 = H, alkyl; R9 = (un)substituted alkyl, aryl, etc.; R10 = R9, (un)substituted heterocyclyl; Y1-Y4 = H, halo, NO2, etc.; Z = alkyl, haloalkyl, CR11R12CR13R14OR15; R11-R14 = R1; R15 = alkyl, haloalkyl, alkoxyalkyl; n = 0, 1] were prepared 2,4-Cl(Me3CCOHN)C6H3OH was stirred 2 h with MeOCH2CH2NCO (preparation given) in PhMe containing DBU to give 90% 2,4-Cl(Me3CCOHN)C6H3OCONHCH2CH2OMe. 4-(Me2CHCH2OCOHN)C6H4OCONH(CH2CH2 O)2Me, sprayed at 0.025%, gave 90-100% protection against Pyricularia oryzae on rice plants.

IT **121576-75-8P**

(preparation of, as agrochem. fungicide)

RN 121576-75-8 HCAPLUS

CN Carbamic acid, [2-(2-methoxyethoxy)ethyl]-, 2,6-dichloro-4-[(2,3,3-trichloro-1-oxo-2-propenyl)amino]phenyl ester (9CI) (CA INDEX NAME)



IC ICM C07C125-06
ICS C07C127-19; C07D319-06; C07C091-44; C07C079-26; A01N047-22; A01N047-20; A01N047-30

CC 25-18 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT 121554-86-7P 121554-87-8P 121554-88-9P 121554-89-0P
121554-90-3P 121554-91-4P 121554-92-5P 121554-93-6P
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121555-62-2P 121555-63-3P 121576-74-7P **121576-75-8P**
121576-76-9P 121576-77-0P
(preparation of, as agrochem. fungicide)

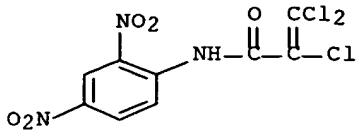
L37 ANSWER 23 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:196007 HCAPLUS Full-text
DOCUMENT NUMBER: 106:196007
TITLE: Reaction of substituted o-nitroanilines with unsaturated chlorine-containing acids
AUTHOR(S): Molchanov, L. V.; Ayupova, A. T.; Eshimbetov, Zh.; Aliev, N. A.
CORPORATE SOURCE: Tashk. S-Kh. Inst., Tashkent, USSR
SOURCE: Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D. I. Mendeleeva (**1986**), 31(4), 464-5
CODEN: ZVKOA6; ISSN: 0373-0247
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 106:196007
ED Entered STN: 13 Jun 1987
AB Amidation of 2,4-(O2N)RC6H3NH2 (I; R = H, Me, Cl, NO2) with R1R2C:CClCO2H (R1, R2 = H, Cl) in xylene containing P2O5 gave 27-70% 2,4-(O2N)RC6H3NHCOCl:CR1R2

(same R-R2). Amidation of I (R = H, Me, Cl) in xylene containing P2O5 with CCl2:CClCCl:CClCO2H gave 2,4-(O2N)ClC6H3NCOCCl:CClCCl:CCl2 and 35-50% II (same R; R3 = OH). I (R = NO2) gave 2% II (R = NO2, R3 = Cl) (III). III gave 100% II (R = NO2, R3 = OH) when boiled in EtOH containing 1% NaOH.

IT **108201-59-8P**
(preparation of)

RN 108201-59-8 HCAPLUS

CN 2-Propenamide, 2,3,3-trichloro-N-(2,4-dinitrophenyl)- (9CI) (CA INDEX NAME)



CC 25-19 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 27

IT 955-51-1P 958-86-1P 28139-21-1P 80460-18-0P 108201-52-1P
108201-53-2P 108201-54-3P 108201-55-4P 108201-56-5P
108201-57-6P 108201-58-7P **108201-59-8P** 108201-62-3P
108201-63-4P 108201-64-5P 108201-65-6P
(preparation of)

L37 ANSWER 24 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:151627 HCAPLUS Full-text

DOCUMENT NUMBER: 106:151627

TITLE: Formamide oxime derivative fungicides and insecticides

INVENTOR(S): Hayakawa, Koichi; Nishikawa, Hiroaki; Hashimoto, Akira

PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 64 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61165360	A	19860726	JP 1985-5403 <--	19850116

PRIORITY APPLN. INFO.: JP 1985-5403 <-- 19850116

OTHER SOURCE(S): CASREACT 106:151627

ED Entered STN: 15 May 1987

AB Formamide oxime derivs. I [X = halo, NO2, CN, CHO, alkylcarbonyl, CO2H, alkoxycarbonyl, alkenyloxycarbonyl, alkynyloxycarbonyl, CONH2, alkylcarbamoyl, etc.; B = O, S, SO, SO2, NR1; Y = H, halo, CN, cycloalkyl, alkylcarbonyloxy, alkylcarbonyl, alkoxycarbonyl, OH, alkoxy, alkylthio, ureido, etc.; m, n = 0-5; R = (un)substituted Ph, halo, CN, alkoxy, alkylthio, alkoxycarbonyl, etc.; R1 = H, alkyl] are prepared as fungicides and insecticides. Thus, 27.9 g 4-amino-2,6-diethylphenol was treated with HC(OEt)3 in 100 mL AcOEt followed by treatment with 11.2 g EtONH2 to give 37.89 N-(3,5-diethyl-4-hydroxyphenyl)-N'-ethoxyformamidine. To 9.0 g of this product was added 6.55 g EtI and 5.3 g

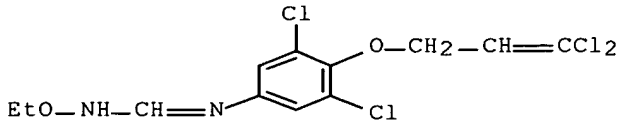
K2CO3 in 50 mL acetone to give 9.9 g N-(3,5-diethyl-4-ethoxyphenyl)-N'-ethoxyformamidine (II). II, applied at 200 ppm, totally controlled Botrytis cinerea on bean.

IT **98866-53-6P**

(preparation of, as fungicide and insecticide)

RN 98866-53-6 HCAPLUS

CN Methanimidamide, N-[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]-N'-ethoxy- (9CI) (CA INDEX NAME)



IC ICM C07C131-00

ICS A01N037-52; A01N043-20; A01N043-30; A01N047-24; C07C143-68; C07C145-00; C07C147-12; C07C147-14; C07C149-42; C07C149-437; C07D303-36; C07D317-28

CC 5-4 (Agrochemical Bioregulators)

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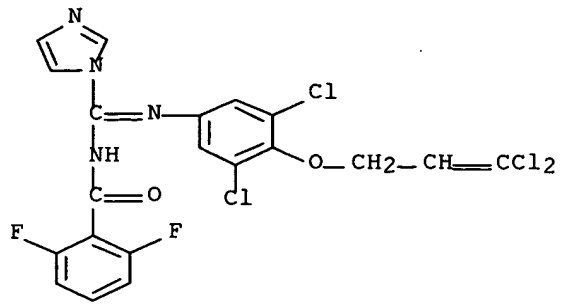
(preparation of, as fungicide and insecticide)

L37 ANSWER 25 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:67307 HCAPLUS Full-text
DOCUMENT NUMBER: 106:67307
TITLE: Azolylcarboxamidine derivatives as insecticides
INVENTOR(S): Igura, Katsuyata; Hayakawa, Koichi; Yamada, Tomio; Takahashi, Eiko; Hatano, Renpei
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61129161	A	19860617	JP 1984-249263 <--	19841126
PRIORITY APPLN. INFO.:			JP 1984-249263 <--	19841126

OTHER SOURCE(S): CASREACT 106:67307
ED Entered STN: 07 Mar 1987
AB The title compds. (I; A = imidazolyl, pyrazolyl, triazolyl, etc.; R1-3 = H, halo, NO2, etc.; X1, X2 = H, halo, Me, CF3), effective insecticides at 125-500 ppm, are prepared Thus, 1.5 g SOCl2 was added to a solution of 3.5 g imidazole in CH2Cl2 under cooling, followed by 4.5 g II, and the mixture stirred at room temperature to give 3.4 g I (A = 1-imidazolyl, R1 = CF3, R2 = Cl, R3 = H, X1 = X2 = F).
IT **96545-55-0P**
(preparation of, as insecticide)
RN 96545-55-0 HCAPLUS
CN Benzamide, N-[[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]amino]-1H-imidazol-1-ylmethylene]-2,6-difluoro- (9CI) (CA INDEX NAME)



IC ICM C07C149-24
ICS A01N041-12; A01N043-48; A01N043-64; C07D231-12; C07D231-16; C07D233-61; C07D235-06; C07D235-08; C07D249-08; C07D249-18

CC 28-9 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5

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96530-82-4P 96530-83-5P 96530-84-6P 96530-85-7P 96530-86-8P
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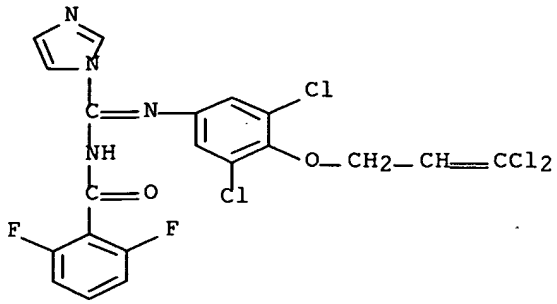
106329-40-2P 106329-41-3P 106329-42-4P 106329-43-5P
(preparation of, as insecticide)

L37 ANSWER 26 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:460601 HCAPLUS Full-text
DOCUMENT NUMBER: 105:60601
TITLE: Imidazolecarboxamidines as insecticides
INVENTOR(S): Igura, Katsuyata; Hayakawa, Koichi; Yamada, Tomio; Takahashi, Eiko; Hatano, Renpei
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 60252467	A	19851213	JP 1984-106637 <--	19840528
PRIORITY APPLN. INFO.:			JP 1984-106637 <--	19840528

OTHER SOURCE(S): CASREACT 105:60601
ED Entered STN: 23 Aug 1986
AB Insecticidal I [R = halo, Me; R1 = H, halo; R2 = H, halo, C1-6 haloalkyl; R3 = H, halo, NO2, C1-8 alkyl, C1-6 haloalkyl, alkoxycarbonyl, dialkylamino, (C1-3 alkyl substituted) phenylazo, etc.; R4 = H, halo, NO2, C1-6 alkyl, C2-6 alkenyloxy, alkynyloxy, (NO2 substituted) PhO; R7 = imidazolyl, triazolyl, (halo or alkyl substituted) pyrazolyl, benzimidazolyl, benzotriazolyl] and their metal salts were prepared by treating thioureas II with R7SOR7. Thus, 0.9 g SOCl2 was added dropwise to 1.8 g benzimidazole in CH2Cl2 in the presence of Et3N with ice cooling and the mixture treated with 3 g II (R = R1 = F, R2 = R3 = R4 = Cl) at room temperature for 5 h to give 2.7 g I (R = R1 = F, R2 = R3 = R4 = Cl, R7 = 1-benzimidazolyl), whose aqueous solution (1500 ppm) killed eggs of tobacco cutworm completely.
IT **96545-55-0P**
(preparation of, as insecticide)
RN 96545-55-0 HCAPLUS
CN Benzamide, N-[[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]amino]-1H-imidazol-1-ylmethylene]-2,6-difluoro- (9CI) (CA INDEX NAME)



IC ICM C07D233-60
ICS A01N047-42; C07D231-16; C07D235-06; C07D249-08
CC 28-9 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5
IT 96530-85-7P 96530-86-8P 96530-88-0P 96530-89-1P 96530-90-4P
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(preparation of, as insecticide)

L37 ANSWER 27 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1985:578031 HCAPLUS Full-text
DOCUMENT NUMBER: 103:178031
TITLE: Formamidoxime derivatives
INVENTOR(S): Hayakawa, Koichi; Nishikawa, Hiroaki; Hashimoto, Sho
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd. , Japan
SOURCE: Eur. Pat. Appl., 151 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 132881	A1	19850213	EP 1984-201035 <--	19840711
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 60019759	A	19850131	JP 1983-127825 <--	19830715

JP 60078954	A	19850504	JP 1983-187004 <--	19831007
JP 60078955	A	19850504	JP 1983-187005 <--	19831007
JP 60174757	A	19850909	JP 1984-29504 <--	19840221
JP 60174758	A	19850909	JP 1984-29505 <--	19840221
JP 60174759	A	19850909	JP 1984-29506 <--	19840221
JP 60178854	A	19850912	JP 1984-35020 <--	19840225
JP 60215603	A	19851029	JP 1984-69129 <--	19840409
AU 8430229	A	19850117	AU 1984-30229 <--	19840703
IN 158923	A1	19870221	IN 1984-CA489 <--	19840709
ZA 8405289	A	19850529	ZA 1984-5289 <--	19840710
DK 8403469	A	19850116	DK 1984-3469 <--	19840713
SE 8403711	A	19850116	SE 1984-3711 <--	19840713
BR 8403509	A	19850625	BR 1984-3509 <--	19840713
HU 36088	A2	19850828	HU 1984-2744 <--	19840713
ES 534320	A1	19851001	ES 1984-534320 <--	19840713
DD 228155	A5	19851009	DD 1984-265268 <--	19840713
DD 235252	A5	19860430	DD 1984-277960 <--	19840713
DD 239592	A5	19861001	DD 1984-277961 <--	19840713
FI 8402861	A	19850116	FI 1984-2861 <--	19840716
RO 93859	B3	19880229	RO 1984-124996 <--	19840716
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RO 93862	B3	19880229	RO 1984-124999 <--	19840716
RO 93863	B3	19880229	RO 1984-125000 <--	19840716
RO 91187	B3	19880330	RO 1984-115258 <--	19840716
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PRIORITY APPLN. INFO.:			JP 1983-127825 <--	A 19830715
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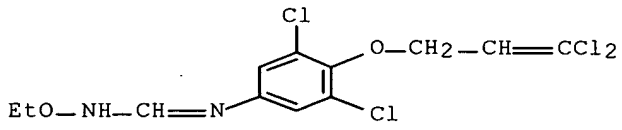
JP 1984-35020 <--	A	19840225
JP 1984-69129 <--	A	19840409
JP 1984-67129 <--	A	19840409
HU 1984-2744 <--	A	19840713

OTHER SOURCE(S): CASREACT 103:178031
ED Entered STN: 30 Nov 1985
AB N-Phenylformamidoximes I [each of m and n is 0, 1, 2, 3, 4, 5; R = halo, NO2, cyano, HCO, alkanoyl, CO2H, esterified CO2H, carbamoyl; oxygenated heteroaryl, saturated or unsatd. hydrocarbyl, substituted saturated or unsatd. hydrocarbyl; Z = O, S, SO, SO2, NH, alkylimino; R1 = saturated or unsatd. hydrocarbyl, substituted saturated or unsatd. hydrocarbyl, or (ZR1)n is a doubling radical; R2 = saturated or unsatd. hydrocarbyl, substituted saturated or unsatd. hydrocarbyl], which were prepared, showed pesticidal, insecticidal, and acaricidal activity. Thus, 3,4,5-Me(EtO)2C6H2N:CHOEt was stirred with EtONH2 at room temperature to give 3,4,5-Me(EtO)2C6H2NHCH:NOEt.
IT **98866-53-6P**
(preparation and insecticidal activity of)
RN 98866-53-6 HCAPLUS
CN Methanimidamide, N-[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]-N'-ethoxy- (9CI) (CA INDEX NAME)



IC ICM C07C131-00
ICS C07C149-14; C07C149-42; C07C147-14; C07D303-22; C07D317-28; A01N037-52
CC 25-4 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5, 23
IT 98850-37-4P 98850-67-0P 98850-78-3P 98851-31-1P 98851-66-2P
98851-67-3P 98851-68-4P 98851-69-5P **98866-53-6P**
98866-96-7P 98866-98-9P 98866-99-0P 98867-01-7P 98867-02-8P
98867-03-9P 98867-05-1P 98867-06-2P 98867-08-4P 98867-09-5P
98867-10-8P 98867-11-9P 98867-17-5P 98867-19-7P 98867-20-0P
98867-21-1P 98867-23-3P 98867-45-9P
(preparation and insecticidal activity of)

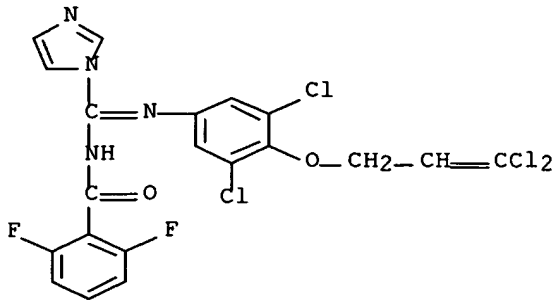
L37 ANSWER 28 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1985:422593 HCAPLUS Full-text
DOCUMENT NUMBER: 103:22593
TITLE: Carboxamidine derivatives
INVENTOR(S): Ikura, Katsuyata; Hayakawa, Koichi; Yamada, Tomio;

Takahashi, Hidemitsu; Hatano, Renpei
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd. , Japan
SOURCE: Eur. Pat. Appl., 62 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 127245	A2	19841205	EP 1984-200786 <--	19840530
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 59222479	A	19841214	JP 1983-94839 <--	19830531
JP 60025971	A	19850208	JP 1983-131989 <--	19830721
JP 60078961	A	19850504	JP 1983-185525 <--	19831004
ZA 8403486	A	19841224	ZA 1984-3486 <--	19840509
AU 8427928	A	19841206	AU 1984-27928 <--	19840511
AU 547704	B2	19851031		
HU 34103	A2	19850228	HU 1984-2110 <--	19840530
BR 8402600	A	19850430	BR 1984-2600 <--	19840530
DD 228154	A5	19851009	DD 1984-263580 <--	19840530
ES 532963	A1	19860401	ES 1984-532963 <--	19840530
ES 540893	A1	19851201	ES 1985-540893 <--	19850301

PRIORITY APPLN. INFO.:	JP 1983-94839 <--	A	19830531
	JP 1983-131989 <--	A	19830721
	JP 1983-185525 <--	A	19831004

OTHER SOURCE(S): CASREACT 103:22593; MARPAT 103:22593
ED Entered STN: 27 Jul 1985
AB Carboxamidines I [R, R1 = H, halogen, Me, CF3; R2 = (un)substituted 1-benzimidazolyl, 1-benzotriazolyl, 1-pyrazolyl, 1-triazolyl, 1-imidazolyl, SSR6; R3, R5 = H, halogen, NO2, haloalkyl, alkenyloxy, (un)substituted PhO, quinoxalinyloxy; R4 = H, halogen, NO2, alkyl, haloalkyl, alkoxycarbonyl, dialkylamino, arylazo, (un)substituted alkoxy, alkylthio, PhO, PhS, heterocyclyloxy, heterocyclylthio; R6 = C1-18 alkyl, cycloalkyl, aralkyl] (229 compds.) were prepared Thus, 2,6-F2C6H3CONHCSNHC6H3(CF3)F-3,4 was treated with imidazole to give I (R = R1 = R4 = F, R2 = imidazolyl, R3 = CF3, R5 = H, II). At 31.3 ppm II gave 100% kill of tobacco cutworm larvae on sweet potato leaves.
IT **96545-55-0P**
(preparation and insecticidal activity of)
RN 96545-55-0 HCAPLUS
CN Benzamide, N-[[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]amino]-1H-imidazol-1-ylmethylene]-2,6-difluoro- (9CI) (CA INDEX NAME)



IC C07D233-61; C07D235-06; C07D235-08; C07D249-08; C07D231-16; C07D231-12; C07D403-12; C07C157-14; A01N047-42; A01N047-44

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5

IT 96530-82-4P 96530-83-5P 96530-84-6P 96530-85-7P 96530-86-8P
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96611-45-9P 96906-19-3P
(preparation and insecticidal activity of)

L37 ANSWER 29 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1983:125621 HCAPLUS Full-text
DOCUMENT NUMBER: 98:125621
TITLE: Nitroarylalkylsulfone derivatives as gametocides
INVENTOR(S): Fankhauser, Ernst; Sturm, Elmar
PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Switz.
SOURCE: Eur. Pat. Appl., 57 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 63101	A1	19821020	EP 1982-810152 <--	19820406
EP 63101	B1	19870401		
R: AT, BE, CH, DE, FR, IT, NL				
US 4459152	A	19840710	US 1982-365684 <--	19820405
AT 26260	T	19870415	AT 1982-810152 <--	19820406
GB 2102782	A	19830209	GB 1982-10563 <--	19820408
GB 2102782	B	19841017		
CA 1189341	A1	19850625	CA 1982-400724 <--	19820408
HU 31921	A2	19840628	HU 1982-1110 <--	19820409
IL 65478	A	19860331	IL 1982-65478 <--	19820412
AU 8282572	A	19821021	AU 1982-82572 <--	19820413
AU 547800	B2	19851107		
ZA 8202466	A	19830330	ZA 1982-2466 <--	19820413
ES 511380	A1	19830701	ES 1982-511380 <--	19820413
JP 57179104	A	19821104	JP 1982-62273 <--	19820414
GB 2134114	A	19840808	GB 1984-4737 <--	19840223
GB 2134114	B	19850327		
CA 1189536	A2	19850625	CA 1984-457504 <--	19840626
PRIORITY APPLN. INFO.:			CH 1981-2478 A <--	19810414
			EP 1982-810152 A <--	19820406
			CA 1982-400724 A3	19820408

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GB 1982-10563 A3 19820408
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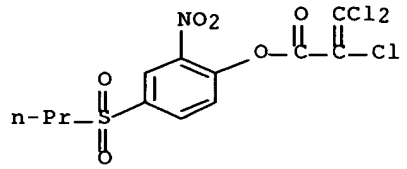
OTHER SOURCE(S): MARPAT 98:125621
ED Entered STN: 12 May 1984
AB The title sulfones I [R1 = C1-6 alkyl; R2, R3 independently = H, C1-6 alkyl, alkoxy, or haloalkyl, halo, cyano, NO2, NH2; o-R2R3 = (CH:CH)2; R4 = H, cation, COR5 (R5 = C1-12 alkyl, alkoxy, or haloalkoxy, C2-10 (halo)alkenyl or alkynyl, C3-7 cycloalkyl, Ph, CH2Ph, (tetrahydro)furyl; cyclic R5 may be substituted], useful as gametocides, fungicides, and bactericides, were prepared Hydrolysis of 4,3-Cl(O2N)C6H3SO2Me with 30% NaOH gave 4,3-HO(O2N)C6H3SO2Me which was esterified in THF and NEt3 with cyclopropanecarbonyl chloride to give the carboxylate II. At 2000 ppm, II caused complete male sterility of corn and at 0.06%, protected rice against Xanthomonas oryzae.
IT **84995-73-3P**
(preparation and bactericidal activity of)
RN 84995-73-3 HCAPLUS
CN 2-Propenoic acid, 2,3,3-trichloro-, 2-nitro-4-(propylsulfonyl)phenyl ester (9CI) (CA INDEX NAME)



IC C07C147-10; C07C147-12; C07D307-16; C07D307-38; A01N041-10; A01N053-00
CC 25-12 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT **84995-73-3P 84995-74-4P** 84995-76-6P 84995-80-2P 84996-05-4P 84996-06-5P
(preparation and bactericidal activity of)
IT **84995-71-1P 84995-72-2P** 84995-84-6P 84995-87-9P 84995-89-1P 84995-90-4P 84995-91-5P 84995-95-9P 84996-08-7P 84996-09-8P
(preparation and gametocidal, fungicidal, and bactericidal activity of)

L37 ANSWER 30 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1982:491203 HCAPLUS Full-text
DOCUMENT NUMBER: 97:91203
TITLE: Trichloroalkene derivatives as fungicides.
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57018646	A	19820130	JP 1980-93272	19800710

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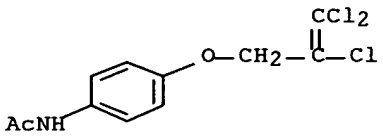
PRIORITY APPLN. INFO.: JP 1980-93272 A 19800710
<--

OTHER SOURCE(S): CASREACT 97:91203
ED Entered STN: 12 May 1984
AB Twenty-nine Cl2C:CClZR (I, Z = CH2, CO, etc.; R = H2NC6H4O, benzothiazolyloxy, substituted acryloyloxy, etc.), effective fungicides against Piricularia oryzae, were prepared Thus, 22.5 g Cl2C:CClCH2Br was added to a mixture of 15.1 g 4-AcNHC6H4OH and 13.8 g K2CO3 in DMF at room temperature and the mixture heated 6 h at 100° to give 4-AcNHC6H4OCH2CCl:CCl2, which (25 g) was refluxed with 250 mL concentrated HCl in EtOH 5 h to give 20 g I (Z = CH2, R = 4-H2NC6H4O).
IT **82699-78-3P**
(preparation and hydrolysis of)
RN 82699-78-3 HCAPLUS
CN Acetamide, N-[4-[(2,3,3-trichloro-2-propenyl)oxy]phenyl]- (9CI) (CA INDEX NAME)



IC C07C057-52; A01N033-02; A01N033-26; A01N037-02; A01N037-06; A01N037-22; A01N041-12; A01N043-74; A01N047-12; A01N057-10; C07C059-70; C07C069-63; C07C069-65; C07C069-708; C07C087-60; C07C093-14; C07C093-26; C07C103-365; C07C103-56; C07C109-04
CC 21-3 (General Organic Chemistry)
Section cross-reference(s): 5, 28
IT **82699-78-3P**
(preparation and hydrolysis of)

L37 ANSWER 31 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1980:110708 HCAPLUS Full-text
DOCUMENT NUMBER: 92:110708
TITLE: Substituted N-phenyl-N'-fluorobenzoylureas and their use as pesticides
INVENTOR(S): Ehrenfreund, Josef
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 4030	A2	19790919	EP 1979-100599	19790301
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EP 4030	A3	19791017		
EP 4030	B1	19811230		
R: BE, CH, DE, FR, GB, IT, NL				
US 4262020	A	19810414	US 1979-16867	19790302
			<--	
CA 1111068	A1	19811020	CA 1979-323067	19790309

			<--	
ES 478518	A1	19800116	ES 1979-478518	19790312
			<--	
ZA 7901134	A	19800430	ZA 1979-1134	19790312
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AT 7901847	A	19810415	AT 1979-1847	19790312
			<--	
AT 364674	B	19811110		
IL 56857	A	19830615	IL 1979-56857	19790312
			<--	
AU 7945032	A	19790920	AU 1979-45032	19790313
			<--	
AU 525517	B2	19821111		
JP 54128544	A	19791005	JP 1979-29310	19790313
			<--	
BR 7901531	A	19791016	BR 1979-1531	19790313
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PRIORITY APPLN. INFO.:			CH 1978-2700	19780313
			<--	
			CH 1979-884	19790130
			<--	

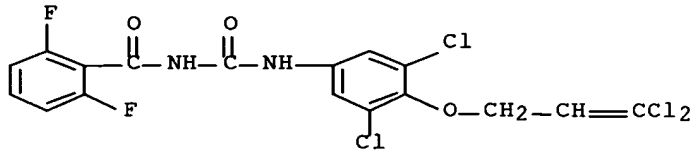
ED Entered STN: 12 May 1984

AB Thirty-one title compds. I (R = C2-3 alkenyl, mono- or dichlorinated C2-4 alkenyl, propargyl; R1 and R2 independently = H or Cl; R3 = H or F) were prepared as insecticides (no data). Thus, 3 g 2,6-F2C6H3CONCO in 10 mL Et2O were added dropwise to 3.3 g 3,5,4- Cl2(ClCH:CHCH2O)C6H2NH2 in 30 mL Et2O at room temperature, and the mixture was kept to precipitation I (R = ClCH:CHCH2, R1 = R2 = Cl, R3 = F).

IT **72837-79-7P**
(preparation of, as insecticides)

RN 72837-79-7 HCAPLUS

CN Benzamide, N-[[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]amino]carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



IC C07C127-22; A01N009-20

CC 25-21 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 5

IT 72837-76-4P 72837-77-5P 72837-78-6P **72837-79-7P**
72837-80-0P 72837-81-1P 72837-82-2P 72837-83-3P 72837-84-4P
72837-85-5P 72837-86-6P 72837-87-7P 72837-88-8P 72837-89-9P
72837-90-2P 72837-91-3P 72837-92-4P 72837-93-5P 72837-94-6P
72837-95-7P 72837-96-8P 72837-97-9P 72837-98-0P 72837-99-1P
72838-00-7P 72838-01-8P 72838-02-9P 72838-03-0P 72838-04-1P
(preparation of, as insecticides)

L37 ANSWER 32 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1979:203730 HCAPLUS Full-text
DOCUMENT NUMBER: 90:203730
TITLE: N-Phenyl-N'-benzoylureas as insecticides

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54027538	A	19790301	JP 1978-92460 <--	19780728
EP 1203	A1	19790404	EP 1978-100446 <--	19780720
EP 1203	B1	19800903		
R: BE, CH, DE, FR, GB, NL				
US 4162330	A	19790724	US 1978-927444 <--	19780724
CA 1099740	A1	19810421	CA 1978-308226 <--	19780726
IL 55222	A	19830515	IL 1978-55222 <--	19780726
ES 472128	A1	19790316	ES 1978-472128 <--	19780727
BR 7804862	A	19790410	BR 1978-4862 <--	19780727
ZA 7804271	A	19790725	ZA 1978-4271 <--	19780727
AU 7838404	A	19800131	AU 1978-38404 <--	19780727
AU 523532	B2	19820805		
AT 7805484	A	19810215	AT 1978-5484 <--	19780727
AT 364195	B	19810925		

PRIORITY APPLN. INFO.: CH 1977-9349 A 19770728 <--
CH 1978-7101 A 19780629 <--

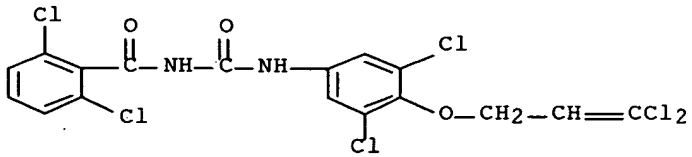
ED Entered STN: 12 May 1984

AB N-Phenyl-N'-benzoylureas (I; R = allyl, chloroallyl, chlorovinyl, propargyl; R1 = H, Cl), effective insecticides and acaricides at 0.1 weight%, were prepared by treating anilines II with benzoylisocyanates III. Thus, 3,5 g III (R1 = Cl) was added to 3.3 g II (R = allyl) in Et2O at room temperature to give I (R = allyl, R1 = Cl). Similarly prepared were 13 addnl. I.

IT **70298-37-2P**
(preparation of)

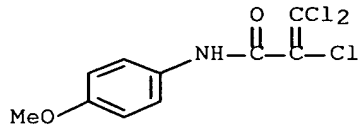
RN 70298-37-2 HCAPLUS

CN Benzamide, 2,6-dichloro-N-[[[3,5-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



IC C07C127-22
CC 25-21 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 5
IT 70298-28-1P . 70298-29-2P 70298-30-5P 70298-31-6P 70298-32-7P
70298-33-8P 70298-34-9P 70298-35-0P 70298-36-1P
70298-37-2P 70298-38-3P 70298-39-4P
(preparation of)

L37 ANSWER 33 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1978:424235 HCAPLUS Full-text
DOCUMENT NUMBER: 89:24235
TITLE: 1,3-Dipolar addition reactions of tetrachlorocyclopropene with diazoalkanes and aryl azides
AUTHOR(S): Dehmlow, Eckehard V.; Naser-Ud-Din
CORPORATE SOURCE: Inst. Org. Chem., Tech. Univ. Berlin, Berlin, Fed. Rep. Ger.
SOURCE: Journal of Chemical Research, Synopses (**1978**), (1), 40
CODEN: JRPSDC; ISSN: 0308-2342
DOCUMENT TYPE: Journal
LANGUAGE: English/German
OTHER SOURCE(S): CASREACT 89:24235
ED Entered STN: 12 May 1984
AB Tetrachlorocyclopropene (I) with RCR1:N2 (R = R1 = H, Me, Ph; R = Me, EtO2C, R1 = H) gave the bicyclo compds. II as primary products. The stability of II depended on R and R1. Thus, II (R = H, Me, EtO2C, R1 = H) were not isolated but rearranged to the pyridazines III whereas II (R = R1 = Me, Ph) required heating at 95-100° before giving 3,4-dihydro-3,3-dimethyl-4,4,5,6-tetrachloropyridazine and Ph2C:CClCCl:CCl2, resp. I with 4-RC6H4N3 (R = H, NO2, OMe) gave 4-RC6H4N:CClCCl:CCl2 via the primary adducts IV.
IT **952-96-5P**
(preparation of)
RN 952-96-5 HCAPLUS
CN 2-Propenamide, 2,3,3-trichloro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



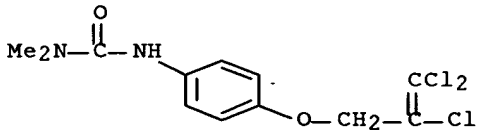
CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 24, 23, 25
IT **952-96-5P** 14161-11-6P 50405-49-7P 66572-23-4P
66572-24-5P 66572-27-8P 66572-28-9P 66572-29-0P 66572-31-4P
66799-72-2P
(preparation of)

L37 ANSWER 34 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:405675 HCAPLUS Full-text
DOCUMENT NUMBER: 87:5675
TITLE: Urea derivatives and their use as herbicides
INVENTOR(S): Scherer, Otto; Horlein, Gerhard; Schonowsky, Hubert
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.

SOURCE: U.S., 43 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4013452	A	19770322	US 1975-597671 <--	19750721
US 3937726	A	19760210	US 1970-40704 <--	19700526
PRIORITY APPLN. INFO.:			US 1967-628843 A2 <--	19670406
			US 1969-799088 A2 <--	19690213
			US 1969-800748 A2 <--	19690219
			US 1970-40704 A3 <--	19700526
			DE 1966-F48990 A <--	19660422
			DE 1966-F48991 A <--	19660422
			DE 1966-F50877 A <--	19661208
			DE 1966-F50938 A <--	19661214
			DE 1966-1668116 A <--	19680316
			DE 1967-1768002 A <--	19680320

ED Entered STN: 12 May 1984
AB [(Haloalkoxy)phenyl]ureas (RO)R1R2C6H2NHCONR3R4 (I; R = haloalkyl, haloalkenyl, or halocycloalkenyl; R1 = H, Br, Cl, alkyl, CF3, MeO, or haloalkoxy; R2 = H or Me; R3 = H or alkyl; R4 = alkyl or alkoxy) (143) were prepared by known methods, e.g., by the addition of aryl isocynates to amines. Extensive data on the herbicidal properties of I were given.
IT **23823-32-7P**
(preparation of)
RN 23823-32-7 HCAPLUS
CN Urea, N,N-dimethyl-N'-[4-[(2,3,3-trichloro-2-propenyl)oxy]phenyl]-(9CI) (CA INDEX NAME)



IC A01N009-20
INCL 071120000
CC 25-21 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 5
IT 403-56-5P 403-61-2P 405-44-7P 713-62-2P 722-33-8P 831-75-4P

1644-21-9P 23823-25-8P 23823-26-9P 23823-27-0P 23823-28-1P
23823-29-2P 23823-30-5P 23823-31-6P **23823-32-7P**
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23831-28-9P 23831-29-0P 23831-30-3P 23831-31-4P 23831-32-5P
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60985-19-5P 60985-20-8P 60985-21-9P 63022-64-0P 63022-65-1P
(preparation of)

IT 27842-91-7 51736-49-3 52267-55-7 52267-56-8 55225-91-7
55225-92-8 55225-93-9 55225-95-1 55225-96-2 55225-97-3
55225-98-4 55226-04-5 58417-16-6 60984-77-2 60985-23-1
60985-27-5 60985-28-6 60985-29-7 **60985-33-3**
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60985-42-4 60985-43-5 60985-44-6 60985-46-8 60985-47-9
60985-48-0 60985-49-1 60985-50-4 60985-52-6 60985-54-8
60985-55-9 60985-57-1 60985-59-3 60985-61-7 60985-62-8
(reaction of, with amines)

L37 ANSWER 35 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:72252 HCAPLUS Full-text
DOCUMENT NUMBER: 86:72252
TITLE: Insecticidal N-(polychloroallyl)aminophenols
INVENTOR(S): Piccardi, Paolo; Paolucci, Paride; Gozzo, Franco; Longoni, Angelo; Dongiovanni, Vincenzo; Renis, Giovanni
PATENT ASSIGNEE(S): Montedison S.p.A., Italy
SOURCE: Ger. Offen., 32 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2618632	A1	19761111	DE 1976-2618632 <--	19760428
NL 7604458	A	19761104	NL 1976-4458 <--	19760427
JP 51133250	A	19761118	JP 1976-47958 <--	19760428
BR 7602661	A	19761109	BR 1976-2661 <--	19760429
FR 2309520	A1	19761126	FR 1976-12700 <--	19760429
BE 841362	A1	19761103	BE 1976-166642 <--	19760430
GB 1496622	A	19771230	GB 1976-17760 <--	19760430
US 4109011	A	19780822	US 1977-791332 <--	19770427

PRIORITY APPLN. INFO.: IT 1975-22949 A 19750502 <--
US 1976-680921 A2 19760428 <--

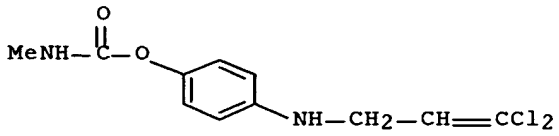
ED Entered STN: 12 May 1984

AB RR1(MeNHCO2)C6H2NR2CH2CR3:CCl2 (I; R = R1 = H, Me; R2 = H, Me, Cl2C:CHCH2; R3 = H, Cl, PhS) were prepared and tested for insecticidal activity. Thus, 4,3-Me(H2N)C6H3O2CNHMe was heated with Cl3CCH:CH2 and KI in DMF at 50° to give 2,S--Me(MeNHCO2)C6H3NHCH2CH:CCl2 (II). About 25 other I were prepared, effective as insecticides with low toxicity toward warm-blooded animals. Thus, 0.1% II gave 100% kill of Pieris brassicae.

IT **61749-96-0P**
(preparation of)

RN 61749-96-0 HCAPLUS

CN Phenol, 4-[(3,3-dichloro-2-propenyl)amino]-, methylcarbamate (ester) (9CI) (CA INDEX NAME)



IC C07C125-06

CC 25-21 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 5

IT 61749-93-7P 61749-95-9P **61749-96-0P 61749-97-1P**
61749-98-2P 61749-99-3P 61750-01-4P **61750-02-5P**
61750-03-6P 61750-04-7P 61750-05-8P **61750-06-9P**
61750-07-0P 61750-08-1P **61750-09-2P** 61750-10-5P
61750-11-6P 61750-12-7P 61750-13-8P **61750-14-9P**
61750-15-0P 61750-16-1P
(preparation of)

L37 ANSWER 36 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1976:592415 HCAPLUS Full-text
DOCUMENT NUMBER: 85:192415
TITLE: Urea derivatives and their use as herbicides
INVENTOR(S): Scherer, Otto; Hoerlein, Gerhard; Schoenowsky, Hubert
PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
SOURCE: U.S., 39 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3937726	A	19760210	US 1970-40704 <--	19700526
DE 1568515	A	19700305	DE 1966-F48991 <--	19660422
DE 1542874	A	19700917	DE 1966-F48990 <--	19660422
DE 1542889	A	19710121	DE 1966-F50877 <--	19661208
DE 1542889	B2	19790315		
DE 1568641	A	19700430	DE 1966-F50938 <--	19661214
NL 6703244	A	19671023	NL 1967-3244 <--	19670228
JP 50003308	B	19750203	JP 1967-12875 <--	19670302
DK 116699	B	19700202	DK 1967-1746 <--	19670330
IL 27751	A	19710526	IL 1967-27751 <--	19670407
ES 339484	A1	19680716	ES 1967-339484 <--	19670419
GB 1173208	A	19691203	GB 1967-1173208 <--	19670419
CH 486837	A	19700315	CH 1967-486837 <--	19670419
SE 325265	B	19700629	SE 1967-5611 <--	19670421
BE 697427	A	19671024	BE 1967-697427 <--	19670424
ES 349712	A1	19691001	ES 1968-349712 <--	19680124
ES 349714	A1	19691001	ES 1968-349714 <--	19680124
ES 349716	A1	19691001	ES 1968-349716 <--	19680124
DE 1768002	A	19720316	DE 1967-1768002 <--	19680320
IL 31604	A	19730629	IL 1969-31604 <--	19690212
NL 6902916	A	19690923	NL 1969-2916 <--	19690225
CH 510388	A	19710731	CH 1969-510388 <--	19690313

FR 2004063	A5	19691121	FR 1969-7319 <--	19690314
GB 1249397	A	19711013	GB 1969-1249397 <--	19690314
CS 151504	B2	19731019	CS 1969-1872 <--	19690314
RO 55818	A2	19740201	RO 1969-59375 <--	19690314
AT 291278	B	19710712	AT 1969-2653 <--	19690318
CH 509752	A	19710715	CH 1969-509752 <--	19690318
BE 730176	A	19690922	BE 1969-730176 <--	19690320
FR 2004337	A5	19691121	FR 1969-8115 <--	19690320
GB 1247102	A	19710922	GB 1969-1247102 <--	19690320
SE 342443	B	19720207	SE 1969-3886 <--	19690320
ES 386044	A1	19730316	ES 1970-386044 <--	19701130
US 4013452	A	19770322	US 1975-597671 <--	19750721

PRIORITY APPLN. INFO.:	DE 1966-F48990 <--	A	19660422
	DE 1966-F48991 <--	A	19660422
	DE 1966-F50877 <--	A	19661208
	DE 1966-F50938 <--	A	19661214
	US 1967-628843 <--	A2	19670406
	DE 1966-1668116 <--	A	19680316
	DE 1967-1768002 <--	A	19680320
	US 1969-799088 <--	A2	19690213
	US 1969-800748 <--	A2	19690219
	DE 1966-F50887 <--	A	19661208
	US 1970-40704 <--	A3	19700526

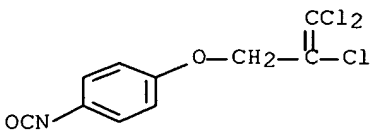
ED Entered STN: 12 May 1984

AB One hundred forty-eight phenylureas (I; R = haloalkyl, haloalkenyl, halocycloalkyl, halocycloalkenyl; R1 = H, Br, Cl, Me, Et, Me2CH, MeO, CF3; R2 = H, Cl, Me; R3 = H, C1-4 alkyl; R4 = MeO, C1-4 alkyl; n = 1, 2), which showed effective herbicidal activity, were prepared by treating aliphatic amines or hydroxylamines with aryl isocyanates or arylcarbamoyl chlorides, followed by alkylation (if needed), or by treating arylamines with alkyl isocyanates or dialkylcarbamoyl chlorides. Thus, 3-ClCHFCF2OC6H4NCO with MeNH2 gave I (R = ClCHFCF2, R1 = R2 = R3 = H, R4 = Me, n = 1), which, at 1.2 kg/ha, gave 100% kill of wild mustard and 30% of wild oats with no damage to cotton, and 100% kill of a 5-weed mix with no damage to maize or cotton. The preparation of >50 starting materials is also described.

IT **60985-34-4**

(addition reaction of, with dimethylamine)

RN 60985-34-4 HCAPLUS
CN Benzene, 1-isocyanato-4-[(2,3,3-trichloro-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



IC C07C127-19
INCL 260553000A
CC 25-21 (Noncondensed Aromatic Compounds)
Section cross-reference(s): 5
IT 27842-91-7 51736-49-3 52267-56-8 55226-06-7 **60985-34-4**
60985-36-6 60985-38-8 60985-39-9 60985-43-5 60985-52-6
60985-57-1 60985-59-3 60985-61-7 60985-62-8
(addition reaction of, with dimethylamine)
IT 23823-25-8P 23823-27-0P 23823-30-5P 23823-35-0P 23823-36-1P
23823-38-3P 23823-39-4P 23831-72-3P 23831-73-4P
23831-82-5P 23831-83-6P 23831-85-8P 23831-93-8P 23831-94-9P
27842-85-9P 27842-87-1P 27842-95-1P 27842-96-2P 27954-30-9P
27954-31-0P 27954-37-6P 27954-43-4P 27954-45-6P 27954-48-9P
27954-49-0P 27954-50-3P 28120-44-7P 28309-11-7P
(preparation and herbicidal activity of)
IT 403-72-5P 591-27-5P 3383-72-0P 23823-26-9P 23823-28-1P
23823-29-2P 23823-31-6P **23823-32-7P 23823-33-8P**
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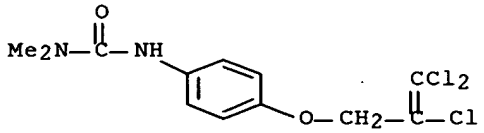
60985-18-4P 60985-19-5P 60985-20-8P 60985-21-9P
(preparation of)
IT 55225-96-2 60985-29-7 60985-31-1 **60985-33-3**
(reaction of, with dimethylamine)

L37 ANSWER 37 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:104747 HCAPLUS Full-text

DOCUMENT NUMBER: 80:104747
TITLE: Halogenated (alkoxyphenyl)ureas, preparation and herbicidal activity
AUTHOR(S): Hoerlein, Gerhard; Schoenowsky, Hubert; Studeneer, Adolf; Langelueddeke, Peter
CORPORATE SOURCE: Farbwerke Hoechst A.-G., Frankfurt/M., Fed. Rep. Ger.
SOURCE: Zeitschrift fuer Naturforschung, Teil C: Biochemie, Biophysik, Biologie, Virologie (**1973**), 28(11-12), 653-61
CODEN: ZNFCAP; ISSN: 0341-0471
DOCUMENT TYPE: Journal
LANGUAGE: German
ED Entered STN: 12 May 1984
AB Fifty-six halogenated (alkoxyphenyl)ureas R(R1O),C6H3NHCONMe2 (R = e.g. H, 2-, 3- or 4-Me, 3- or 4-Cl or Br, 3-CF3 or 3-Et, R1 = e.g. 3- or 4-ClCH:CCl, 3- or 4-Cl2CHCF2, or 4-CF2Cl), prepared by known methods, were screened for their herbicidal activity. Thus,very good selective herbicidal activity in cotton cultures was shown by N-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]-N',N'-dimethylurea [27954-37-6] and N-[3-chloro-4-(difluoromethoxy)phenyl]-N',N'-dimethylurea [39139-11-2], at 0.5-2 kg/ha.
IT **23823-32-7P**
(preparation of)
RN 23823-32-7 HCAPLUS
CN Urea, N,N-dimethyl-N'-[4-[(2,3,3-trichloro-2-propenyl)oxy]phenyl]- (9CI) (CA INDEX NAME)



CC 5-3 (Agrochemicals)
IT 403-56-5P 403-72-5P 23823-27-0P 23823-28-1P **23823-32-7P**
23823-33-8P 23823-34-9P 23823-35-0P **23823-37-2P**
23823-38-3P **23823-39-4P** 23831-23-4P 23831-24-5P
23831-25-6P 23831-26-7P 23831-27-8P 23831-29-0P 23831-30-3P
23831-31-4P 23831-32-5P 23831-35-8P 23831-37-0P 23831-39-2P
23831-40-5P 23831-42-7P 23831-44-9P 23831-46-1P
23831-65-4P 23831-68-7P 23831-69-8P 23831-70-1P
23831-72-3P 23831-75-6P 23831-76-7P 23831-79-0P 23831-83-6P
23831-86-9P 23831-87-0P 23831-88-1P 23831-89-2P 23831-90-5P
23831-92-7P 23831-96-1P 23831-97-2P 23832-00-0P 23832-02-2P
23832-03-3P 23832-05-5P 23832-07-7P 23832-08-8P 23832-09-9P
23832-10-2P 23832-11-3P 23832-13-5P 23845-81-0P 27842-84-8P
27842-87-1P 27842-88-2P 27842-90-6P 27842-92-8P 27842-94-0P
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27954-48-9P 27954-52-5P 27954-53-6P 27954-55-8P 27954-56-9P
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39139-09-8P 39139-10-1P 39139-12-3P 39139-16-7P 39139-18-9P
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39139-32-7P 39211-60-4P 51707-72-3P 51707-73-4P 51707-74-5P
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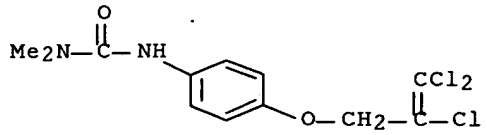
51707-91-6P 51708-02-2P 51708-03-3P 51708-04-4P 51708-05-5P
51708-06-6P 51708-07-7P 51708-08-8P 51708-12-4P 51708-13-5P
51708-14-6P
(preparation of)

L37 ANSWER 38 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1969:461005 HCAPLUS Full-text
DOCUMENT NUMBER: 71:61005
TITLE: Herbicidal N-phenylureas
PATENT ASSIGNEE(S): Farbwerke Hoechst A.-G.
SOURCE: Fr., 30 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1520220		19680405	FR 1967-103884 <--	19670424
DE 1542889			DE	
DE 1568515			DE	
DE 1568641			DE	
GB 1173208			GB	
PRIORITY APPLN. INFO.:			DE <--	19660422
			DE <--	19661214

ED Entered STN: 12 May 1984
AB Title compds. (I) were prepared by treating either the corresponding phenyl isocyanates (II) with the corresponding amines NHR5R6, or the corresponding anilines (III) with either Me isocyanate (IV) when R5 = H and R6 = Me, or dimethylcarbamic acid chloride (V) when R5 = R6 = Me. Thus, 200 g. gaseous NHMe2 was added to a stirred solution of 1000 g. II (R2 = CCl2:CHCH2O; R1 = R3 = R4 = H) in 2000 cc. absolute C6H6, to give after cooling a crystalline precipitate which was washed with some C6H6, dried, and recrystd. from petroleum ether, yielding 1100 g. I (R2 = CCl2:CHCH2O; R1 = R3 = R4 = H; R5 = R6 = Me), m. 103-4°. Similarly prepared I are tabulated in the 1st table. IV (11 g.) was added to a stirred solution of 44 g. III (R2 = CCl2:CHCH2O; R1 = R3 = R4 = H) in 100 cc. absolute C6H6. After keeping the mixture 1 hr. at 40°, the precipitate was washed with some C6H6, dried, and recrystd. from dioxane to give 34 g. I (R2 = CCl2:CHCH2O; R1 = R3 = R4 = R5 = H; R6 = Me), m. 154-5°. Similarly prepared I (R1 = R5 = H; R6 = Me) are tabulated in the 2nd table. V (17 g.) was added dropwise to a stirred solution of 30 g. III (R2 = CHCl:CClO; R1 = R3 = R4 = H) in 50 cc. absolute C6H6 containing 16 g. NEt3. After keeping the mixture 3 hrs. at 50°, the precipitated NEt3.HCl was removed and C6H6 distilled The partially crystallized residue was crushed on a clay plate to eliminate the fatty products to give 18 g. I (R2 = CHCl:CClO; R1 = R3 = R4 = H; R5 = R6 = Me) m. 153-5°. Similarly prepared I (R5 = R6 = Me; R1 = H) (R2, R3, R4, and m.p. given) were: CHCl2CF2O, H, Me, 95-6°; and Me, CHCl2CF2O, H, 117-19°. I are useful as selective herbicides and show higher activities than the known urea-based compds. such as N-[p-(p-chlorophenoxy)phenyl]-N',N'-dimethylurea (Chloroxuron).
IT **23823-32-7P**
(preparation of)
RN 23823-32-7 HCAPLUS
CN Urea, N,N-dimethyl-N'-[4-[(2,3,3-trichloro-2-propenyl)oxy]phenyl]-

(9CI) (CA INDEX NAME)



IC C07C; A01N
CC 25 (Noncondensed Aromatic Compounds)
IT 23823-25-8P 23823-26-9P 23823-27-0P 23823-28-1P 23823-29-2P
23823-30-5P 23823-31-6P **23823-32-7P 23823-33-8P**
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23831-40-5P 23831-41-6P 23831-42-7P 23831-43-8P 23831-44-9P
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23831-81-4P 23831-82-5P 23831-83-6P 23831-84-7P 23831-85-8P
23831-86-9P 23831-87-0P 23831-88-1P 23831-89-2P 23831-90-5P
23831-91-6P 23831-92-7P 23831-93-8P 23831-94-9P 23831-95-0P
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23832-06-6P 23832-07-7P 23832-08-8P 23832-09-9P 23832-10-2P
23832-11-3P 23832-12-4P 23832-13-5P 23845-81-0P 23845-82-1P
25033-36-7P
(preparation of)

L37 ANSWER 39 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1967:38868 HCAPLUS Full-text
DOCUMENT NUMBER: 66:38868
TITLE: Reactive dyes
INVENTOR(S): Schweizer, August
PATENT ASSIGNEE(S): Sandoz Ltd.
SOURCE: Patentschrift (Switz.), 4 pp. Addn. to Swiss 369532
CODEN: SWXXAS
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 410238		19661031	CH 1959-1722865 <--	19590410

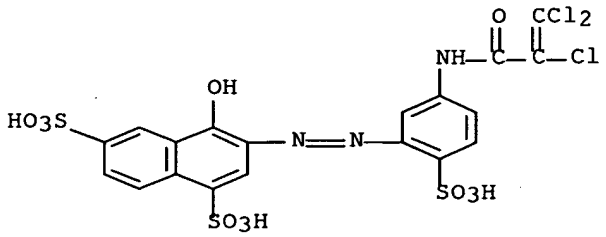
ED Entered STN: 12 May 1984
AB Addition to Swiss 369,532 (CA 60, 5671g). Azo types containing a Cl2C:CClCONH (Q) group were prepared (diazo component coupling component, and shade given): 2-H2NC6H4SO3H (I), 2,5,7-Q- (HO)C10H5SO3Na, orange; 4,2-Q(H2N)C6H3SO3H (III), 1-(2,5-dichloro-4- sulfophenyl)-3-methyl-5-pyrazolone, greenish yellow; III,

1,8,3,6,2-H2N(HO)(HO3S)2C10H3N:NC6H4Q-4, green-gray; III, 1,4,7-HOC10H5(SO3H)2, scarlet; 1,8,3,6-Q(HO)C10H4(SO3H)2, bluish red.

IT **14975-08-7P**
(preparation of)

RN 14975-08-7 HCAPLUS

CN 1,6-Naphthalenedisulfonic acid, 4-hydroxy-3-[[2-sulfo-5-(2,3,3-trichloroacrylamido)phenyl]azo]- (8CI) (CA INDEX NAME)



IC C09B

CC 40 (Dyes, Fluorescent Brightening Agents, and Photosensitizers)

IT 14228-50-3P **14975-08-7P 15072-48-7P**
15141-51-2P 29721-35-5P
(preparation of)

L37 ANSWER 40 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1967:38867 HCAPLUS Full-text

DOCUMENT NUMBER: 66:38867

TITLE: Reactive dyes

INVENTOR(S): Schweizer, August

PATENT ASSIGNEE(S): Sandoz Ltd.

SOURCE: Patentschrift (Switz.), 7 pp. Addn. to Swiss. 380264
CODEN: SWXXAS

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

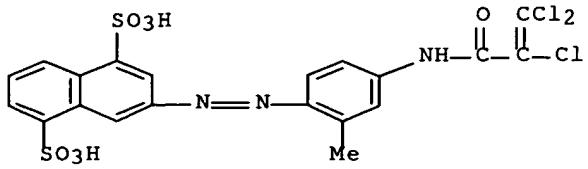
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CH 410230		19661031	CH 1959-71846 <--	19590410

ED Entered STN: 12 May 1984

AB Addition to Swiss 380,264 (See Brit. 945,940, CA 61, 13460c). H2O-soluble, reactive dyes are prepared by treating an azo, anthraquinone, or phthalocyanine (Pc) dye containing an NH2 group with CCl2:CClCOCl (I). Thus, a solution of 42.3 parts 2,5,7,6-H2N(HO)(HO3S)C10H4N:NC6H4SO3H-2 in 600 parts H2O was adjusted to pH 8.0 with aqueous NaOH, cooled to 10°, 20 parts I added with stirring during 3 hrs., the mixture stirred for 2-3 hrs. at 10°, keeping the pH at 6.0-8.0 with dilute aqueous Na2CO3, NaCl added, the precipitate filtered and vacuum dried at 60° to give an orange-red powder which dyed mercerized cotton orange. Similarly, other reactive dyes were prepared from I (amino dye and shade given): 4,8,2-(NaO3S)2C10H5N:NC6H3(NH2)Me-4,2, reddish yellow; II, blue, CuPc(SO3NA)x(SO2NHC6H4NH2)y, turquoise blue.

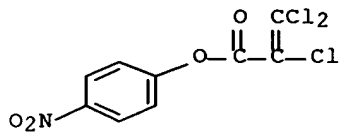
IT **14228-47-8P**
(preparation of)

RN 14228-47-8 HCAPLUS
CN 1,5-Naphthalenedisulfonic acid, 3-[[4-(2,3,3-trichloroacrylamido)-o-tolyl]azo]- (7CI, 8CI) (CA INDEX NAME)



IC C09B
CC 40 (Dyes, Fluorescent Brightening Agents, and Photosensitizers)
IT 147-14-8DP, Copper, [phthalocyaninato(2-)]-, [[p-(2,3,3-trichloroacrylamido)phenyl]sulfamoyl] containing derivs. 14228-46-7P **14228-47-8P 14228-48-9P**
(preparation of)

L37 ANSWER 41 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1967:28617 HCAPLUS Full-text
DOCUMENT NUMBER: 66:28617
TITLE: A new synthesis of 3-chloroflavones
AUTHOR(S): Newman, Melvin S.; Ferrari, John L.; Garg, C. P.
CORPORATE SOURCE: Ohio State Univ., Columbus, OH, USA
SOURCE: Journal of Heterocyclic Chemistry (**1964**), 1(2), 76-8
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 12 May 1984
AB The synthesis of a number of 3-chloroflavones (I) by a new method, involving reaction of arylmagnesium bromides with 3,4- dichlorocoumarins is described. The synthesis of 2-chloro-7-methyl- 11H-benzofuro[3,2-b]benzopyran-11-one (II) is also described.
IT **2224-95-5P**
(preparation of)
RN 2224-95-5 HCAPLUS
CN Acrylic acid, trichloro-, p-nitrophenyl ester (7CI, 8CI) (CA INDEX NAME)



CC 27 (Heterocyclic Compounds (One Hetero Atom))
IT 92-45-5P **2224-95-5P** 4198-00-9P 13178-89-7P 13178-97-7P 13178-98-8P 13178-99-9P 13179-00-5P 13179-01-6P 13179-02-7P 13179-04-9P 13179-05-0P 13179-06-1P 13179-07-2P 13179-09-4P 13379-34-5P

(preparation of)

L37 ANSWER 42 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1965:43741 HCAPLUS Full-text
DOCUMENT NUMBER: 62:43741
ORIGINAL REFERENCE NO.: 62:7698h,7699a-e
TITLE: Benzamides
PATENT ASSIGNEE(S): Egyesult Gyogyszer es Tapszergyar
SOURCE: 18 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 6403028		19640922	NL 1964-3028 <--	19640320
PRIORITY APPLN. INFO.:			HU <--	19630321

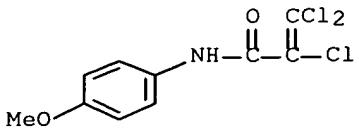
ED Entered STN: 22 Apr 2001
AB Benzamides (I), prepared from II, were useful as hypnotic and anticonvulsive agents with low toxicity; some were tranquilizers. To a solution of 7 g. 3,5-dimethoxy-4-ethoxybenzoyl chloride in 40 ml. dry CHCl3 was added with stirring under cooling in ice 6 ml. morpholine, and the mixture refluxed 1 hr. and worked up to yield 5.8 g. N-(3,5-dimethoxy-4-ethoxybenzoyl)morpholine (III), m. 88-90° (acetone-ligroine). To a boiling mixture of 8.55 g. N-(3,5-dimethoxy-4-hydroxybenzoyl)morpholine, 5.6 g. dry K2CO3, and 45 ml. butanone was added with stirring a solution of 5.1 ml. Et2SO4 in 10 ml. BuOH, and the mixture refluxed 15 hrs. to yield 5.7 g. III. A mixture of 20 g. 3,5-dimethoxy-4-allyloxybenzoic acid, 20 ml. C6H6, and 20 ml. SOCl2 was refluxed to yield 18.15 g. 3,5-dimethoxy-4-allyloxybenzoyl chloride (IV), m. 60-2° (petr. ether). A solution of 5.2 g. IV in 35 ml. dry CHCl3 was treated with NH3 to yield 4.7 g. 3,5-dimethoxy-4-allyloxybenzamide, m. 162-4° (50% MeOH). Similarly were prepared: 3,5-dimethoxy-4-allyloxybenzoic acid methylamide, m. 122-4° (EtOAc-ligroine); N-(3,5-dimethoxy-4- allyloxybenzoyl)-1,2,3,4-tetrahydroquinoline, m. 83-4° (EtOAc-ligroine); N-(3,5-dimethoxy-4-allyloxybenzoyl)glycine diethylamide, m. 109-11° (EtOAc-ligroine); and N-(3,5-dimethoxy-4-allyloxybenzoyl)-N'-butylurea, m. 83-5° (EtOAc-ligroine). To a mixture of 53 g. 3,5-dimethoxy-4-hydroxybenzoic acid Me ester and 34 ml. BuBr was added a solution of 6.95 g. Na in 300 ml. BuOH, the mixture refluxed 15 hrs. with stirring, and the crude product in 460 ml. MeOH refluxed 1.5 hrs. with 29 ml. 43.8% KOH to yield 45.85 g. 3,5-dimethoxy-4-butoxybenzoic acid (V), m. 107-9° (30% MeOH). A mixture of 10 g. V, 10 ml. C6H6, and 10 ml. SOCl2 was refluxed, excess SOCl2 evaporated, and the residue in 30 ml. C6H6 treated with 150 ml. concentrated NH4OH to yield 9.33 g. V amide, m. 143-5° (EtOAc-ligroine). Similarly were prepared: 3,5-dimethoxy-4-isobutoxybenzoic acid, m. 123-5° (30% MeOH) [amide m. 156-8° (EtOAc-ligroine); diethylamide was an oil]; N-(3,5-dimethoxy-4-isobutoxybenzoyl)morpholine, m. 76-8° (acetone-ligroine) (2-methylmorpholine analog was an oil); 3,5-dimethoxy-4-sec-butoxybenzoic acid, m. 127-8° [N-(3,5-dimethoxy-4-sec-butoxybenzoyl)morpholine was an oil]; 3,5-dimethoxy-4-(cyclohex-2-en-1-yl)oxybenzoic acid, m. 163-5° (30% MeOH) [amide m. 161-3° (EtOH)]; 3,5-dimethoxy-4-(2- methoxyethoxy)benzoic acid, m. 109-11° (EtOH-H2O) [amide m. 125-6° (25% EtOH)]; 3-methoxy-4-allyloxy-5-chlorobenzoic acid, m. 125-6° (EtOAc-ligroine) [amide m. 130-1° (EtOAc-ligroine)]; 3-methoxy-4-butoxy-5-chlorobenzoic acid, m. 109-10° (C6H6) [amide m. 122-4° (EtOAc-ligroine)]; 3-methoxy-4-allyloxy-5-bromobenzoic acid, m. 132-4° (EtOAc-ligroine) [amide m. 133-5°]; 3-methoxy-4-butoxy-5-bromobenzoic acid, m. 119-21° (EtOAc-ligroine) [amide m. 130-2° (EtOAc-ligroine)]; 3,5-dibromo-4-allyloxybenzoic acid, m. 176-8° (EtOAc) [amide m.

140-20 (EtOH)]; 3,5-dibromo-4-butoxybenzoic acid, m. 142-3° (EtOAc-ligroine) [amide m. 138-40° (EtOAc-ligroine)]; and N-(3,5-dimethoxy-4- allyloxybenzoyl)-2-methoxyethylamine, m. 96-8° (EtOAc-ligroine).

IT **952-96-5P**, p-Acrylanisidide, 2,3,3-trichloro-
(preparation of)

RN 952-96-5 HCAPLUS

CN 2-Propenamide, 2,3,3-trichloro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



IC C07C; C07D

CC 35 (Noncondensed Aromatic Compounds)

IT 153-71-9P, Benzamide, 4-isobutoxy-3,5-dimethoxy- 153-73-1P, Benzamide, 4-butoxy-3,5-dimethoxy- 304-22-3P, Benzamide, 4-(allyloxy)-3,5-dimethoxy- 948-10-7P, Benzoic acid, 4-(allyloxy)-3,5-dibromo- 951-45-1P, Benzoic acid, 4-(allyloxy)-3-bromo-5-methoxy- 951-46-2P, Benzamide, 4-(allyloxy)-3-chloro-5-methoxy- 951-50-8P, Benzamide, 3,5-dibromo-4-butoxy- **952-96-5P**, p-Acrylanisidide, 2,3,3-trichloro- 954-85-8P, Benzoyl chloride, 4-(allyloxy)-3,5-dimethoxy- 955-33-9P, Benzamide, 3-bromo-4-butoxy-5-methoxy- 955-34-0P, Benzoic acid, 3-bromo-4-butoxy-5-methoxy- 955-35-1P, Benzamide, 4-butoxy-3-chloro-5-methoxy- 955-36-2P, Benzoic acid, 4-butoxy-3-chloro-5-methoxy- 958-20-3P, Benzoic acid, 4-sec-butoxy-3,5-dimethoxy- 958-25-8P, Benzoic acid, 4-isobutoxy-3,5-dimethoxy- 958-26-9P, Benzamide, 3,5-dimethoxy-4-(2-methoxyethoxy)- 958-27-0P, Benzoic acid, 3,5-dimethoxy-4-(2-methoxyethoxy)- 958-28-1P, Benzamide, 4-(allyloxy)-3,5-dimethoxy-N-methyl- 964-31-8P, Benzamide, 4-(2-cyclohexen-1-yloxy)-3,5-dimethoxy- 967-11-3P, Morpholine, 4-(4-ethoxy-3,5-dimethoxybenzoyl)- 973-47-7P, Morpholine, 4-(4-isobutoxy-3,5-dimethoxybenzoyl)- 978-14-3P, Benzamide, 4-(allyloxy)-N-[(diethylcarbamoyl)methyl]-3,5-dimethoxy- 979-82-8P, Quinoline, 1-[4-(allyloxy)-3,5-dimethoxybenzoyl]-1,2,3,4-tetrahydro- 1016-32-6P, Benzamide, 4-(allyloxy)-3,5-dibromo- 1019-23-4P, Benzamide, 4-(allyloxy)-3-bromo-5-methoxy- 1019-24-5P, Benzoic acid, 4-(allyloxy)-3-chloro-5-methoxy- 1032-70-8P, Benzoic acid, 4-(2-cyclohexen-1-yloxy)3,5-dimethoxy- 1046-97-5P, Urea, 1-[4-(allyloxy)-3,5-dimethoxybenzoyl]-3-butyl- 1147-84-8P, Benzoic acid, 4-butoxy-3,5-dimethoxy- 6648-89-1P, Benzoic acid, 3,5-dibromo-4-butoxy-
(preparation of)

L37 ANSWER 43 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1965:43740 HCAPLUS Full-text

DOCUMENT NUMBER: 62:43740

ORIGINAL REFERENCE NO.: 62:7698g-h

TITLE: Substituted trichloroacrylic acid amides

INVENTOR(S): Ettel, Viktor; Myska, Jaromir; Stanek, Jan

SOURCE: 3 pp.

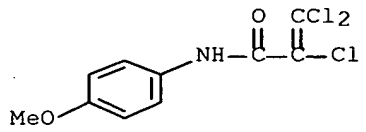
DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 111208		19640615	CS <--	19630111
PRIORITY APPLN. INFO.:			CS <--	19630111

ED Entered STN: 22 Apr 2001
AB Adding dropwise with stirring 0.062 mole a substituted aniline derivative in 120 ml. dry C6H6 to 0.031 mole CCl2:CClCOCl in 60 ml. C6H6 and heating the mixture 30 min. on a boiling water bath gives the following title compds. showing fungicidal properties [amide, % yield, m.p., and effective dose (E.D.50) in mg./l., determined against Neurospora sitophila given]: 2-chloroanilide, --, 70°, 9; 3-chloroanilide, 80.5, 95°, 142; 2,4-dichloroanilide, --, 118.5°, 186; 3,4-dichloroanilide, --, 129.5°, 626; 4-methylanilide, --, 105.5°, 2000; 2-nitroanilide, --, 115.5°, 22; 3-nitroanilide, --, 122°, 81; 4-nitroanilide, --, 188°, 19; 2-nitro-4-methylanilide, 68.5, 123°, 212; 4-methoxyanilide, --, 131°, --. In a 0.001% aqueous solution the above compds. were devoid of herbicidal effects in Sinapis alba.
IT **952-96-5P**, p-Acrylanisidide, 2,3,3-trichloro-
(preparation of)
RN 952-96-5 HCAPLUS
CN 2-Propenamide, 2,3,3-trichloro-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



IC C07C
CC 35 (Noncondensed Aromatic Compounds)
IT 949-35-9P, Acrylanilide, 2,2',3,3-tetrachloro- 949-53-1P, Acrylanilide, 2,3,3,3'-tetrachloro- 949-66-6P, p-Acrylotoluidide, 2,3,3-trichloro- **952-96-5P**, p-Acrylanisidide, 2,3,3-trichloro- 955-51-1P, Acrylanilide, 2,3,3-trichloro-2'-nitro- 956-51-4P, Acrylanilide, 2,3,3-trichloro-3'-nitro- **956-57-0P**, Acrylanilide, 2,3,3-trichloro-4'-nitro- 958-86-1P, p-Acrylotoluidide, 2,3,3-trichloro-2'-nitro- 1083-38-1P, Acrylanilide, 2,2',3,3,4'-pentachloro- 1212-10-8P, Acrylanilide, 2,3,3,3',4'-pentachloro-
(preparation of)

L37 ANSWER 44 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1965:36647 HCAPLUS Full-text
DOCUMENT NUMBER: 62:36647
ORIGINAL REFERENCE NO.: 62:6437c-e
TITLE: Esters of trichloroacrylic acid
INVENTOR(S): Stanek, Jan; Myska, Jaromir; Ettel, Viktor
SOURCE: 3 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 111209		19640615	CS <--	19630111
PRIORITY APPLN. INFO.:			CS <--	19630111

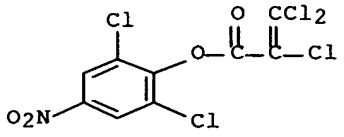
ED Entered STN: 22 Apr 2001

AB Title compds., for use as fungicides, are obtained by treating a solution of 0.01 mole phenol derivative in 80 ml. C6H6 and 0.79 g. pyridine dropwise with stirring and cooling with 0.01 mole CCl2:CClCOCl in 30 ml. C6H6 and stirring the mixture 2 hrs. [the substituted aryl ester, % yield, b.p., and effective dose (E.D.50) given]: 2,6-dichlorophenyl, 71.5, 70.5°, 25; 2,4,5-trichlorophenyl, --, 103°, 45; 2,4,5,6-tetrachlorophenyl, 61, 45°, 43; pentachlorophenyl, --, 97°, 29; 2-nitrophenyl, --, 77°, 1.3; 4-nitrophenyl, --, 109.5°, 2; 2,4-dinitrophenyl, --, 110°, 0.6; 2,4-dinitro-6-methylphenyl, --, 61°, 0.4; 2,4-dinitro-6-sec- butylphenyl, --, -- (oil at 20°), --; 2,4-dichloro-6- nitrophenyl, --, 70°, 1.2; 2,6-dichloro-4-nitrophenyl, --, 70.5°, 0.6; 2,4,5-trichloro-6-nitrophenyl, 70, 102°, 2.5.

IT **2224-91-1P**, Phenol, 2,6-dichloro-4-nitro-, trichloroacrylate (preparation of)

RN 2224-91-1 HCAPLUS

CN Acrylic acid, trichloro-, 2,6-dichloro-4-nitrophenyl ester (7CI, 8CI) (CA INDEX NAME)



IC A01N; C07C

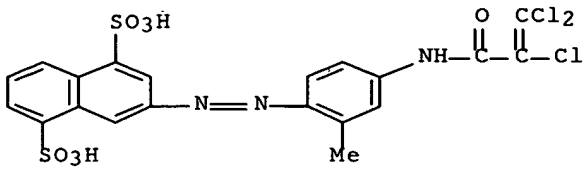
CC 35 (Noncondensed Aromatic Compounds)

IT 2224-90-0P, Phenol, 3,4,6-trichloro-2-nitro-, trichloroacrylate
2224-90-0P, Acrylic acid, trichloro-, 3,4,6-trichloro-2-nitrophenyl ester **2224-91-1P**, Phenol, 2,6-dichloro-4-nitro-, trichloroacrylate **2224-91-1P**, Acrylic acid, trichloro-, 2,6-dichloro-4-nitrophenyl ester 2224-92-2P, Acrylic acid, trichloro-, 2,4-dichloro-6-nitrophenyl ester 2224-92-2P, Phenol, 2,4-dichloro-6-nitro-, trichloroacrylate **2224-93-3P**, Acrylic acid, trichloro-, 4,6-dinitro-o-tolyl ester **2224-93-3P**, o-Cresol, 4,6-dinitro-, trichloroacrylate **2224-94-4P**, Phenol, 2,4-dinitro-, trichloroacrylate **2224-94-4P**, Acrylic acid, trichloro-, 2,4-dinitrophenyl ester **2224-95-5P**, Acrylic acid, trichloro-, p-nitrophenyl ester 2224-96-6P, Acrylic acid, trichloro-, o-nitrophenyl ester 2224-97-7P, Acrylic acid, trichloro-, 2,3,4,6-tetrachlorophenyl ester 2224-97-7P, Phenol, 2,3,4,6-tetrachloro-, trichloroacrylate 2224-98-8P, Phenol, 2,4,5-trichloro-, trichloroacrylate 2224-98-8P, Acrylic acid, trichloro-, 2,4,5-trichlorophenyl ester 2224-99-9P, Phenol, 2,6-dichloro-, trichloroacrylate 2224-99-9P, Acrylic acid, trichloro-, 2,6-dichlorophenyl ester 3881-57-0P, Phenol, pentachloro-, trichloroacrylate 3881-57-0P, Acrylic acid, trichloro-, pentachlorophenyl ester
(preparation of)

L37 ANSWER 45 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1964:477078 HCAPLUS Full-text
DOCUMENT NUMBER: 61:77078
ORIGINAL REFERENCE NO.: 61:13460b-f
TITLE: Dyes containing di- and trichloroacrylamido groups
INVENTOR(S): Schweizer, August; Siegrist, Hans; Benz, Jakob
PATENT ASSIGNEE(S): Sandoz Ltd.
SOURCE: 19 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 945940		19640108	GB 1960-9318	19600316
			<--	
CH 380264			CH	
PRIORITY APPLN. INFO.:			CH	19590320
			<--	

ED Entered STN: 22 Apr 2001
AB Azo, anthraquinone, and Cu phthalocyanine dyes containing Cl2C: CHCONH and Cl2C: CClCONH groups were prepared 2,5,7-H2N(HO)C10H5SO3H 47.8 in H2O 800 adjusted with 30% aqueous NaOH to pH 7, treated dropwise during 1.5 hrs. at 3° with Cl2C:CHCOCl (I) 45 in dry Me2CO 100 while maintaining the reaction mixture at pH 6-7 by the dropwise addition of 20% aqueous NaOH, and the product coupled with diazotized o-H2NC6H4SO3H 34.6 parts yielded an orange powder which dyes cotton sateen fabric orange shades. 2,4-(H2N)2C6H3SO3H (II) 94 in H2O 1500 condensed similarly with I 115 parts gave the 4Cl2C:CHCONH analog (III) of II. III 31.1 diazotized and coupled with 1-(2,5-dichloro-4-sulfophenyl)-3-methyl-5- pyrazolone 32.3 parts gave a reddish yellow dye. Di-Na 1-amino-4-(4'-aminoanilino)anthraquinone-2,3-disulfonate 10.7 condensed with I 4 parts yielded blue dyes. u phthalocyanine 57.6 and ClSO3H 270 heated 3 hrs. at 140-5°, the product in ice 300 and H2O 300 adjusted with dilute aqueous NaOH to pH 5, treated with p-AcNHC6H4NH2 15, heated to 45-50° while maintaining with dilute aqueous NaOH at pH 5.0-5.5, basified weakly after 3 hrs. with NaOH, heated for 1 hr. at 80°, treated with 30% HCl 200, and filtered, and the product condensed with I 35 parts yielded a dark blue powder, turquoise-blue in H2O and on cotton. 2,4,8-[2,4-Me(H2N)C6H3N:N]C10H5(SO3H)2 42.1 dissolved in H2O 1200 with 30% aqueous NaOH and treated with NaOAc.3H2O 54.5 and then at 0-5° with Cl2C:CClCOCl 38 in PhCl 50 parts gave a reddish yellow dye. p O2NC6H4NH2 → 1,8,3,6-H2N(HO)C10H4(SO3H)2 (IV) reduced with Na2S, and the product 43.8 in Me2CO 100 condensed with I 29 and then coupled with diazotized III 31.1 parts gave a black powder which dyes cellulosic fibers green-gray to black shades. III 31.1 diazotized and coupled with 1,4,7-HOC10-H5(SO3H)2 30.4 parts gave a red powder which dyes cotton scarlet shades. IV 32 condensed with I 23, and the product coupled with diazotized o-HO3SC6H4NH2 17.3 parts gave a bright red dye.
IT **14228-47-8P**, 1,5-Naphthalenedisulfonic acid, 3-[[4-(2,3,3-trichloroacrylamido)-o-tolyl]azo]-
(preparation of)
RN 14228-47-8 HCAPLUS
CN 1,5-Naphthalenedisulfonic acid, 3-[[4-(2,3,3-trichloroacrylamido)-o-tolyl]azo]- (7CI, 8CI) (CA INDEX NAME)

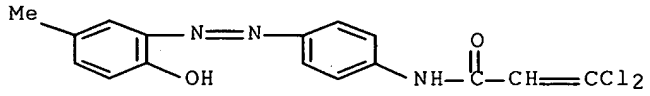


IC C09B
CC 46 (Dyes)
IT **14228-47-8P**, 1,5-Naphthalenedisulfonic acid, 3-[[4-(2,3,3-trichloroacrylamido)-o-tolyl]azo]- 31902-21-3P, Sulfanilic acid, 2-[[1-(2,5-dichloro-4-sulfophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]-N-(trichloropyridazinyl)- 94375-55-0P, 2-Naphthalenesulfonic acid, 7-(3,3-dichloroacrylamido)-4-hydroxy-3-[(o-sulfophenyl)azo]- **94375-56-1P**, 1,6-Naphthalenedisulfonic acid, 3-[[5-(3,3-dichloroacrylamido)-2-sulfophenyl]azo]-4-hydroxy- **94375-60-7P**, Sulfanilic acid, N-(3,3-dichloroacryloyl)-2-[[1-(2,5-dichloro-4-sulfophenyl)-3-methyl-5-oxo-2-pyrazolin-4-yl]azo]- **96170-41-1P**, 2-Anthracenesulfonic acid, 1-amino-4-[4-(3,3-dichloroacrylamido)-3-sulfoanilino]-9,10-dihydro-9,10-dioxo-
(preparation of)

L37 ANSWER 46 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1964:425909 HCAPLUS Full-text
DOCUMENT NUMBER: 61:25909
ORIGINAL REFERENCE NO.: 61:4521d-e
TITLE: Azo pigment
INVENTOR(S): Neave, Arthur S., Jr.; Crounse, Nathan N.
PATENT ASSIGNEE(S): Sterling Drug Inc.
SOURCE: 2 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 127391		19640331	US	19620111
			<--	
PRIORITY APPLN. INFO.:			US	19620111
			<--	

ED Entered STN: 22 Apr 2001
AB Coupling 216 lb. 3,2-HOC10H6-CONHC6H4OMe-2 with diazotized 120 lbs. sulfanilamide gave I, m. 285-90° (decomposition), a fast scarlet pigment insol. in H2O, dilute aqueous NaOH, and C2Cl4, slightly soluble in boiling HCONMe2.
IT **94298-36-9P**, Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]-
(preparation of)
RN 94298-36-9 HCAPLUS
CN Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]- (7CI) (CA INDEX NAME)

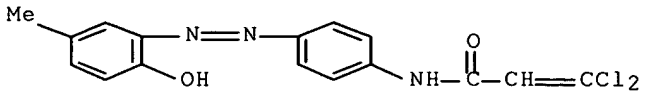


INCL 260204000
CC 46 (Dyes)
IT 23850-84-2P, Acrylamide, 3,3-dichloro-N-[2-[p-[[2-chloro-4-(methylsulfonyl)phenyl]azo]-N-ethylanilino]ethyl]- **94298-36-9P**, Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]- 94621-94-0P, Crotonanilide, 4-chloro-4'-[(6-hydroxy-m-tolyl)azo]- 95957-19-0P, 2-Naphth-o-anisidide, 3-hydroxy-4-[(p-sulfamoylphenyl)azo]-
(preparation of)

L37 ANSWER 47 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1964:425908 HCAPLUS Full-text
DOCUMENT NUMBER: 61:25908
ORIGINAL REFERENCE NO.: 61:4521c-d
TITLE: Azo disperse dyes of low water solubility
INVENTOR(S): Senn, Otto
PATENT ASSIGNEE(S): Sandoz Ltd.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

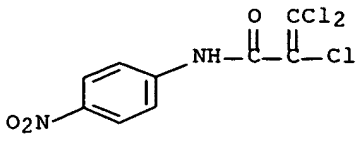
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3122533		19640225	US 1960-55717 <--	19600913
CH 378440			CH	
GB 961040			GB	
PRIORITY APPLN. INFO.:			CH <--	19590915

ED Entered STN: 22 Apr 2001
AB Disperse dyes for nylon having ≥1 reactive NHCOCH:CClX group, where X = Cl or CH2Cl, are prepared Thus, a solution of 5,2-Me(HO)C6H3N: NC6H4NH2-4 (I) 22.7 in dioxane 200 and H2O 200 is cooled to 0° and mixed with ClCH2CH:CHCOCl 17 in Me2CO 50 parts. By simultaneous addition of NaOAc a pH of 6 is maintained. The solution is stirred for 2 hrs. at 0° and diluted with 500 parts H2O to give a fast yellow dye for nylon. I (22.7 parts) treated similarly with 17 parts Cl2C:CHCOCl gives a yellow dye m. 170°. 2,4-Cl(MeSO2)C6H3NH2 (20.5 parts) is diazotized and coupled with 27.2 parts Cl2C:CHCONHCH2CH2NEtPh to give an orange dye.
IT **94298-36-9P**, Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]-
(preparation of)
RN 94298-36-9 HCAPLUS
CN Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]- (7CI) (CA INDEX NAME)



INCL 260207000
CC 46 (Dyes)
IT 23850-84-2P, Acrylamide, 3,3-dichloro-N-[2-[p-[[2-chloro-4-(methylsulfonyl)phenyl]azo]-N-ethylanilino]ethyl]- **94298-36-9P**, Acrylanilide, 3,3-dichloro-4'-[(6-hydroxy-m-tolyl)azo]- 94621-94-0P, Crotonanilide, 4-chloro-4'-[(6-hydroxy-m-tolyl)azo]-
(preparation of)

L37 ANSWER 48 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1964:23143 HCAPLUS Full-text
DOCUMENT NUMBER: 60:23143
ORIGINAL REFERENCE NO.: 60:4054d-g
TITLE: New derivatives of trichloroacrylic acid
AUTHOR(S): Myska, J.; Stanek, S.; Ettel, V.; Marchalinova, M.
CORPORATE SOURCE: Vysoka Skola Chem.Technol., Prague
SOURCE: Collection of Czechoslovak Chemical Communications (**1963**), 28(11), 3154-8
CODEN: CCCCAK; ISSN: 0010-0765
DOCUMENT TYPE: Journal
LANGUAGE: German
ED Entered STN: 22 Apr 2001
AB Amides, CCl2:CClCONHX, were obtained in 65-85% yield by adding in 30 min. with stirring 0.063 mole of the resp. aromatic amine in 90-120 ml. dry C6H6 to 6 g. CCl2:CClCOCl in 60 ml. C6H6, heating the mixture 30 min. on a boiling water bath, shaking with 7.5% HCl, and washing and drying as usual (X, m.p., and fungistatic activity as E.D.50 in mg./l. given): Ph, 98°, 48; 2-ClC6H4, 70°, 9; 3-ClC6H4, 95°, 142; 4-ClC6H4, 146°, 710; 2,4-Cl2C6H3, 118.5°, 186; 2,5-Cl2C6H3, 130°, >2000; 3,4-Cl2C6H3, 129.5°, 628; 2-MeC6H4, 134.5°, >2000; 3-MeC6H4, 116°, -; 4-MeC6H4, 105.5°, >2000; 2-O2NC6H4, 115.5°, 22; 3-O2NC6H4, 122°, 81; 4-O2NC6H4, 188°, 19; 4,2-Me(O2N)C6H3, 123°, 292. Similarly were obtained, in 60-80% yields, esters of type CCl2:CClCO2Y by treating dropwise with stirring and cooling a solution of 0.01 mole the resp. phenol and 0.01 mole pyridine in 80 ml. C6H6 with 0.01 mole CCl2:CClCOCl in 30 ml. C6H6, stirring the mixture 2 hrs., shaking successively with 5% H2SO4, 5% NaOH, and H2O, working up the C6H6-layer as usual, and recrystg. the evaporation residue from MeOH (Y, m.p. or n20D, and E.D.50 given): Ph, 1.5555, 50; 2-ClC6H4, 1.5671, 21; 4-ClC6H4, m. 65°, 7; 2,4- Cl2C6H3, m. 94°, 15; 2,6-Cl2C6H3, m. 70.5°, 25; 2,4,5-Cl3C6H2, m. 103°, 45; 2,4,5,6-Cl4C6H, m. 45°, 43; Cl5C6, m. 97°, 29; 2-O2NC6H4, m. 77°, 1.3; 4-O2NC6H4, m. 109.5°, 2; 2,4-(O2N)2C6H3, m. 110°, 0.6; 6,2,4-Me(O2N)2C6H2, m. 61°, 0.4; 2,4,6-Cl2(O2N)C6H2, m. 70°, 1.2; 2,6,4-Cl2(O2N)C6H2, m. 70.5°, 0.6; 2,4,5,6-Cl3(O2N)C6H, 102°, 2.5. The 1st 14 compds. showed no herbicidal activity in concns. up to 10 mg./l. Relationships between chemical structure and fungistatic activity are discussed.
IT **956-57-0P**, Acrylanilide, 2,3,3-trichloro-4'-nitro-
(preparation of)
RN 956-57-0 HCAPLUS
CN Acrylanilide, 2,3,3-trichloro-4'-nitro- (7CI, 8CI) (CA INDEX NAME)



CC 35 (Noncondensed Aromatic Compounds)
IT 949-35-9P, Acrylanilide, 2,2',3,3-tetrachloro- 949-53-1P, Acrylanilide, 2,3,3,3'-tetrachloro- 949-66-6P, p-Acrylotoluidide, 2,3,3-trichloro- 955-51-1P, Acrylanilide, 2,3,3-trichloro-2'-nitro- 956-51-4P, Acrylanilide, 2,3,3-trichloro-3'-nitro- **956-57-0P**, Acrylanilide, 2,3,3-trichloro-4'-nitro- 958-86-1P, p-Acrylotoluidide, 2,3,3-trichloro-2'-nitro- 1083-38-1P, Acrylanilide, 2,2',3,3,4'-pentachloro- 1212-10-8P, Acrylanilide, 2,3,3,3',4'-pentachloro- 2224-90-0P, Phenol, 3,4,6-trichloro-2-nitro-, trichloroacrylate 2224-90-0P, Acrylic acid, trichloro-, 3,4,6-trichloro-2-nitrophenyl ester **2224-91-1P**, Phenol, 2,6-dichloro-4-nitro-, trichloroacrylate **2224-91-1P**, Acrylic acid, trichloro-, 2,6-dichloro-4-nitrophenyl ester 2224-92-2P, Acrylic acid, trichloro-, 2,4-dichloro-6-nitrophenyl ester 2224-92-2P, Phenol, 2,4-dichloro-6-nitro-, trichloroacrylate **2224-93-3P**, o-Cresol, 4,6-dinitro-, trichloroacrylate **2224-93-3P**, Acrylic acid, trichloro-, 4,6-dinitro-o-tolyl ester **2224-94-4P**, Acrylic acid, trichloro-, 2,4-dinitrophenyl ester **2224-94-4P**, Phenol, 2,4-dinitro-, trichloroacrylate **2224-95-5P**, Acrylic acid, trichloro-, p-nitrophenyl ester 2224-96-6P, Acrylic acid, trichloro-, o-nitrophenyl ester 2224-97-7P, Phenol, 2,3,4,6-tetrachloro-, trichloroacrylate 2224-97-7P, Acrylic acid, trichloro-, 2,3,4,6-tetrachlorophenyl ester 2224-98-8P, Acrylic acid, trichloro-, 2,4,5-trichlorophenyl ester 2224-98-8P, Phenol, 2,4,5-trichloro-, trichloroacrylate 2224-99-9P, Phenol, 2,6-dichloro-, trichloroacrylate 2224-99-9P, Acrylic acid, trichloro-, 2,6-dichlorophenyl ester 3881-57-0P, Acrylic acid, trichloro-, pentachlorophenyl ester 3881-57-0P, Phenol, pentachloro-, trichloroacrylate 28637-08-3P, Acrylanilide, 2,3,3-trichloro- 55205-24-8P, Acrylic acid, trichloro-, phenyl ester 90415-54-6P, Acrylic acid, trichloro-, o-chlorophenyl ester 90415-55-7P, Acrylic acid, trichloro-, p-chlorophenyl ester 90415-56-8P, Acrylanilide, 2,2',3,3,5'-pentachloro- 90483-81-1P, Acrylanilide, 2,3,3,4'-tetrachloro- 90766-82-8P, Benzene, 1,2,4,5-tetrakis(bromomethyl)-3,6-dinitro- 90767-94-5P, o-Acrylotoluidide, 2,3,3-trichloro- 91085-91-5P, Phenol, 2,4-dichloro-, trichloroacrylate 91085-91-5P, Acrylic acid, trichloro-, 2,4-dichlorophenyl ester 91329-62-3P, m-Acrylotoluidide, 2,3,3-trichloro-
(preparation of)

L37 ANSWER 49 OF 49 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1942:10092 HCAPLUS Full-text
DOCUMENT NUMBER: 36:10092
ORIGINAL REFERENCE NO.: 36:1596b-e
TITLE: Synthesis of lipophilic chemotherapeuticals. V. N4-Acylsulfanilamides
AUTHOR(S): Bergmann, F.; Haskelberg, L.
SOURCE: Journal of the American Chemical Society (**1941**), 63, 2243-5

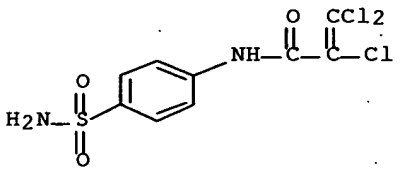
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
ED Entered STN: 16 Dec 2001

AB cf. C. A. 36, 423.1. Two methods of preparation were used: (I) H2NC6H4SO2NH2 (II) (8.6 g.) in 50 cc. CHCl3 and 4 g. C5H5N at 0° is treated with 9.1 g. of Cl3CCOCl in 25 cc. CHCl3 and allowed to stand 12 h. at room temperature; the yield is 80%; (III) 8.6 g. II in 45 cc. AcOH and 45 cc. saturated aqueous AcONa (solution prepared by heating) is treated at -5° with 10.1 g. of hendecenoyl chloride and allowed to stand at room temperature for 12 h.; the yield is 70%. N4-Acylsulfanilamides: dichloroacetyl (I, III), m. 218°; trichloroacetyl (I), m. 205°; bromoacetyl (I), m. 218° (decomposition); trichloroacrylyl (III), m. 258°; stearoyl (I), m. 245° (U. S. pat. 2,169,971, C. A. 34, 1134.4, gives the m. p. as 201°); oleoyl (I), m. 204°; stearoloyl [Me(CH2)7C.tplbond.C(CH2)7CO] (I), m. 189°; hendecanoyl (I), m. 205° (decomposition); hendecenoyl (I, III), m. 194-6°; dibromohendecanoyl (I, III), m. 173-5°; cinnamoyl (I), m. 255-7°; trans-α,β-dibromocinnamoyl (III), m. 266°; phenylpropiolyl (I), m. 254°. The following N4,N4-bis(sulfanilamides) were prepared by method III, with acid chlorides of dibasic acids: isophthaloyl, adipyl and sebacyl; the yields were nearly quant. and the compds. m. above 300°. Heating 8.6 g. II and 7.2 g. of C6H4(CO)2O 1 h. at 150° gives p-sulfamylphthalanilic acid, m. 338°; the tetra-Cl derivative decomps. 322°. Boiling 17.2 g. II and 22.4 g. diphenic anhydride in PrOH for 1 h. gives 35 g. of p-sulfamyldiphenanilic acid, m. 278-9° (decomposition). On mixing 34.4 g. II and 23.4 g. citraconic anhydride at 25° the temperature rose to 60°; heating 1 h. on the water bath gave p-citraconimidophenylsulfonamide, m. 210-13°.

IT **857612-33-0P**, Acrylanilide, α,β,β-trichloro-p-sulfamyl-
(preparation of)

RN 857612-33-0 HCAPLUS

CN Acrylanilide, α,β,β-trichloro-p-sulfamyl- (4CI) (CA INDEX NAME)



CC 10 (Organic Chemistry)

IT 5332-70-7P, Acetanilide, α-bromo-p-sulfamyl- 6720-17-8P, Hendecananilide, p-sulfamyl- 6955-49-3P, Phthalanilic acid, 4'-sulfamyl- 17122-47-3P, Acetanilide, α,α-dichloro-p-sulfamyl- 22795-59-1P, Acetanilide, α,α,α-trichloro-p-sulfamyl- 64260-77-1P, Benzenesulfonamide, p-(2,5-dihydro-3-methyl-2,5-dioxo-1-pyrryl)- 124130-70-7P, Oleanilide, p-sulfamyl- 163111-74-8P, Stearanilide, p-sulfamyl- 307339-71-5P, Adipanilide, p,p'-disulfamyl- 519017-77-7P, Isophthalanilide, 4',4''-disulfamyl- 854672-01-8P, Propiolanilide, β-phenyl-p-sulfamyl- **857612-33-0P**, Acrylanilide, α,β,β-trichloro-p-sulfamyl- 858803-33-5P, Stearolanilide, p-sulfamyl- 873382-64-0P, Phthalanilic acid,

3,4,5,6-tetrachloro-4'-sulfamyl- 873417-07-3P, Cinnamanilide, p-sulfamyl- 873419-72-8P, Diphenanilic acid, 4''-sulfamyl- 873975-85-0P, Sebacanilide, p,p'-disulfamyl-
(preparation of)

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L3                STR
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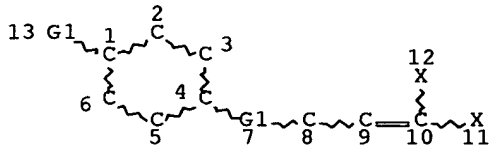

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VAR G1=O/N/S
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  13

STEREO ATTRIBUTES: NONE
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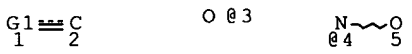

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NODE ATTRIBUTES:
NSPEC    IS RC     AT    2
CONNECT IS E1  RC AT    3
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   5

STEREO ATTRIBUTES: NONE
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L10         1244 SEA FILE=REGISTRY SUB=L7 SSS FUL L6
L17         1015 SEA FILE=REGISTRY ABB=ON  PLU=ON  L10 AND 2-100/NR
L20           60 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L17
L22           23 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ZAMBACH, W?/AU
L23         3773 SEA FILE=HCAPLUS ABB=ON  PLU=ON  HALL, R?/AU
L24           27 SEA FILE=HCAPLUS ABB=ON  PLU=ON  RENOLD, P?/AU
L25           56 SEA FILE=HCAPLUS ABB=ON  PLU=ON  TRAH, S?/AU
L26            6 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L22 OR L23 OR L24 OR
                 L25) AND L20


=> d que l43
L38           26 SEA ZAMBACH, W?/AU
L39           37 SEA RENOLD, P?/AU
L40           17 SEA TRAH, STEPHAN?/AU
L41          107 SEA HALL, ROGER?/AU
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L42          36 SEA (L38 OR L39 OR L40 OR L41) AND PESTICID?
L43           4 SEA L42 AND KETO?


=> dup rem l26 l43
FILE 'HCAPLUS' ENTERED AT 13:24:54 ON 30 JAN 2007
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PROCESSING COMPLETED FOR L26
PROCESSING COMPLETED FOR L43
L44           9 DUP REM L26 L43 (1 DUPLICATE REMOVED)
                ANSWERS '1-6' FROM FILE HCAPLUS
                ANSWER '7' FROM FILE BIOSIS
                ANSWERS '8-9' FROM FILE WPIX

=> d his l43

     (FILE 'EMBASE, BIOSIS, DRUGU, MEDLINE, WPIX, JICST-EPLUS, JAPIO,
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L43           4 S L42 AND KETO?

=> d 1-6 ibib ed ab fhitstr hitind

L44  ANSWER 1 OF 9  HCAPLUS  COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER:         2004:1154652  HCAPLUS  Full-text
DOCUMENT NUMBER:          142:93516
TITLE:                    Preparation of pesticidally active ketone and
                          oxime derivatives
INVENTOR(S):              Zambach, Werner; Hall, Roger
                          Graham; Renold, Peter; Trah,
                          Stephan
PATENT ASSIGNEE(S):       Syngenta Participations AG, Switz.
SOURCE:                   PCT Int. Appl., 83 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
     ---------------       ----   --------    --------------------     --------
     WO 2004113273          A1    20041229    WO 2004-EP6749           20040622
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
             CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
             GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
             KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
             MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
             SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
             VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,
             DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL,
             PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
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GW, ML, MR, NE, SN, TD, TG

EP 1638924	A1	20060329	EP 2004-740174	20040622
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
US 2006128670	A1	20060615	US 2005-560292	20051212
PRIORITY APPLN. INFO.:			CH 2003-1096	A 20030623
			WO 2004-EP6749	W 20040622

OTHER SOURCE(S): MARPAT 142:93516

ED Entered STN: 30 Dec 2004

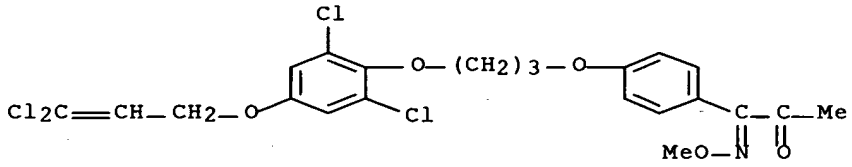
AB The title compds. I [A0-A3 = (un)substituted alkylene; Y = O, S, SO, SO2, (un)substituted NH; M = O, NOR6; X1, X2 = F, Cl, Br; R1-R3 = H, halo, OH, SH, CN, NO2, alkyl, haloalkyl, alkylcarbonyl, alkenyl, haloalkenyl, alkynyl, etc.; Q = O, S, SO, SO2, (un)substituted NH; W = O, S, SO, SO2, CO2, etc.; T = a bond, O, S, SO, SO2, CO2, etc.; D = CH, N; R4 = H, halo, OH, SH, CN, NO2, alkyl, haloalkyl, etc.; R5 = alkyl, cycloalkyl, (un)substituted NH2, etc.; R6 = H, alkyl, cycloalkyl, etc.; k = 0-4; m = 1-2], were prepared E.g., a multi-step synthesis of II, starting from 2-bromo-1-(4-hydroxyphenyl)ethanone, which was more than 80% effective against Heliothis virescens, Plutella xylostella, and Spodoptera littoralis, was given. The invention also relates to pesticidal compns. in which the active ingredient has been selected from the compds. I and agrochem. acceptable salts thereof, and a process for the preparation of those compns. and their use, to plant propagation material treated with those compns., and a method of controlling pests.

IT **818375-28-9P**

(preparation of pesticidally active ketone and oxime derivs.)

RN 818375-28-9 HCAPLUS

CN 1,2-Propanedione, 1-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]-, 1-(O-methyloxime) (9CI) (CA INDEX NAME)



IC ICM C07C251-44

ICS C07C251-48; C07C251-54; C07C251-58; C07D261-08; C07C235-84; C07C049-84; A01N033-16; A01N035-10; A01N035-04; A01N037-18; A01N043-26

CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5

IT **818375-28-9P**

(preparation of pesticidally active ketone and oxime derivs.)

IT **818375-24-5P 818375-25-6P 818375-26-7P**
818375-27-8P 818375-29-0P 818375-30-3P
818375-31-4P 818375-32-5P 818375-33-6P
818375-34-7P 818375-35-8P 818375-36-9P
818375-37-0P 818375-38-1P 818375-39-2P
818375-40-5P 818375-41-6P 818375-42-7P
818375-43-8P 818375-44-9P 818375-45-0P
818375-46-1P 818375-47-2P 818375-48-3P

818375-49-4P 818375-50-7P 818375-51-8P
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818375-55-2P 818375-56-3P 818375-57-4P
818375-58-5P 818375-59-6P 818375-60-9P
818375-61-0P 818375-62-1P 818375-63-2P
818375-64-3P 818375-65-4P 818375-66-5P
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818375-70-1P 818375-71-2P 818375-72-3P
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818375-76-7P 818375-77-8P 818375-78-9P
818375-79-0P 818375-80-3P 818375-81-4P
818375-82-5P 818375-83-6P 818375-84-7P
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818375-97-2P 818375-98-3P 818375-99-4P
818376-00-0P 818376-01-1P 818376-02-2P
818376-03-3P 818376-04-4P 818376-05-5P
818376-06-6P 818376-07-7P 818376-08-8P
818376-09-9P 818376-10-2P 818376-11-3P
818376-12-4P 818376-13-5P 818376-14-6P
818376-15-7P 818376-16-8P 818376-17-9P
818376-18-0P 818376-19-1P 818376-20-4P
819072-24-7P
(preparation of pesticidally active ketone and oxime derivs.)

IT 17159-98-7P 32136-81-5P, 2-Methoxy-1-(4-hydroxyphenyl)ethanone
669055-86-1P 818376-21-5P 818376-22-6P
818376-23-7P 818376-24-8P
(preparation of pesticidally active ketone and oxime derivs.)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:673280 HCAPLUS Full-text
DOCUMENT NUMBER: 143:172877
TITLE: Preparation of various heterocyclic allyl derivatives as pesticides
INVENTOR(S): **Hall, Roger Graham; Trah, Stephan; Zambach, Werner**; Tuleja, Juraj
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005068445	A2	20050728	WO 2005-EP94	20050107
WO 2005068445	A3	20050922		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,

VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1706392 A2 20061004 EP 2005-706845 20050107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

PRIORITY APPLN. INFO.: CH 2004-23 A 20040108

WO 2005-EP94 W 20050107

OTHER SOURCE(S): CASREACT 143:172877; MARPAT 143:172877

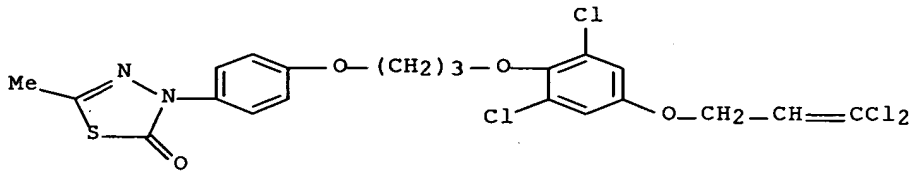
ED Entered STN: 29 Jul 2005

AB Title compds. I [Het = non-aromatic heterocyclyl; A1-3 = alkylene, cycloalkyl, etc.; A4 = alkylene bridge; D = CH, N; W = O, amino, SO0-2; etc.; T = bond, O, NH, etc.; Q = O, amino, SO0-2; Y = O, amino, SO0-2; X1-2 = F, Cl, Br; R1-2 = H, halo, CN, NO2, alkyl, haloalkyl, etc.; R3 = halo, CN, NO2, etc.; R4 = halo, CN, NO2, etc.; n = 0-3 when D = N or is 0-4 when D = CH; m = 0-2] are prepared For instance, II is prepared in several steps from 4-methoxyphenylhydrazine•HCl, pivaloyl chloride and 4-(3-bromopropan-1-yloxy)-3,5-dichloro-1-(3,3- dichloroprop-2-enyloxy)benzene. II shows good activity against Heliothis virescens.

IT **860629-18-1P**
(preparation of various heterocyclic allyl derivs. as pesticides)

RN 860629-18-1 HCAPLUS

CN 1,3,4-Thiadiazol-2(3H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]-5-methyl- (9CI) (CA INDEX NAME)



IC ICM C07D285-12
ICS C07D271-10; C07D249-12; C07D257-04; C07D237-14; C07D241-18; C07D239-36; C07D273-04; C07D233-72

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 1, 63

IT **860629-18-1P 860629-19-2P 860629-20-5P**
860629-21-6P 860629-22-7P 860629-23-8P
860629-24-9P 860629-25-0P 860629-26-1P
860629-27-2P 860629-28-3P 860629-29-4P
860629-30-7P 860629-31-8P
(preparation of various heterocyclic allyl derivs. as pesticides)

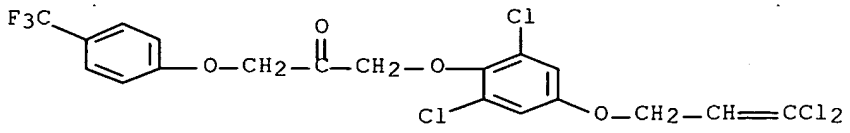
L44 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:182604 HCAPLUS Full-text
DOCUMENT NUMBER: 142:280219
TITLE: Preparation of (3,3-dihaloallyloxy)phenol derivatives as pesticides
INVENTOR(S): **Zambach, Werner; Trah, Stephan**

; **Hall, Roger Graham**; Lutz, William
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019147	A2	20050303	WO 2004-EP9500	20040825
WO 2005019147	A3	20050407		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1659863	A2	20060531	EP 2004-764476	20040825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				

PRIORITY APPLN. INFO.: CH 2003-1454 A 20030826
WO 2004-EP9500 W 20040825

OTHER SOURCE(S): MARPAT 142:280219
ED Entered STN: 04 Mar 2005
AB There are described compds. of formula (I) [wherein X1, X2 = independently F, Cl or Br; A1, A2 = a bond, (un)substituted C1-6 alkylene bridge; A3 = (un)substituted C1-6 alkylene bridge; R1, R2 halogen, OH, SH, cyano, NO2, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkyl-carbonyl, C2-6 alkenyl, C2-6 haloalkenyl, C2-6 alkynyl, etc.; R3 = H, halogen, OH, SH, cyano, NO2, C1-6 alkyl, C1-6 haloalkyl, etc.; R4, R5 = H, halogen, cyano, NO2, C1-6 alkyl, C1-3 haloalkyl, etc. ; m = 1 or 2; Q, Y = O, S, SO, SO2, (un)substituted NH; W, T = a bond, O, S, SO, SO2, C(O)O, OC(O), each (un)substituted NH, CH:N-O, CONH, or NHCO; E = (un)substituted aryl or heterocyclyl] where applicable, their possible E/Z isomers, E/Z isomeric mixts. and/or tautomers, in each case in free form or in salt form. Pesticidal compns. in which the active ingredient has been selected from those compds. I and agrochem. acceptable salts thereof are also described. Thus,74 mg 3,3-dichloro-2-(4-trifluoromethylphenyl)acrylic acid, 67 mg of bis(2-oxo-3-oxazolidinyl)phosphinic acid chloride, 53 mg Et3N, and 100 mg [3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propyl]amine were stirred in 2 mL CH2Cl2 for 48 h at 40° to give, after workup and silica gel chromatog., 3,3-dichloro-N-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propyl]-2-(4-trifluoromethylphenyl)acrylamide (II; R = Q1). II (R = Q1) and II (R = Q2) at 400 ppm with aqueous emulsion spray killed 80% Heliothis virescens caterpillars on young soybean plants.
IT **847344-39-2P**
(intermediate; preparation of (dihaloallyloxy)phenol derivs. as pesticides)
RN 847344-39-2 HCAPLUS
CN 2-Propanone, 1-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]-3-[4-(trifluoromethyl)phenoxy]- (9CI) (CA INDEX NAME)



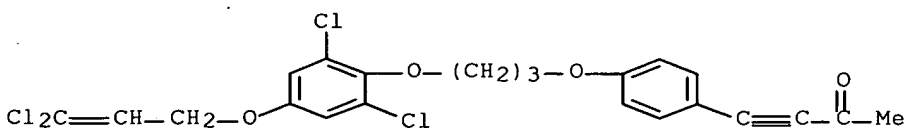
IC ICM C07C043-00
CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5, 25, 27
IT 198226-65-2P 847344-36-9P 847344-37-0P 847344-38-1P
847344-39-2P 847344-40-5P **847344-41-6P**
847344-42-7P **847344-43-8P**
(intermediate; preparation of (dihaloallyloxy)phenol derivs. as pesticides)
IT **847343-31-1P 847343-32-2P 847343-33-3P**
847343-34-4P 847343-35-5P 847343-36-6P
847343-37-7P 847343-38-8P 847343-39-9P 847343-40-2P
847343-41-3P 847343-42-4P 847343-43-5P 847343-44-6P
847343-45-7P 847343-46-8P 847343-47-9P
847343-48-0P 847343-49-1P 847343-50-4P
847343-51-5P 847343-52-6P **847343-53-7P**
847343-54-8P 847343-55-9P **847343-56-0P**
847343-57-1P 847343-58-2P 847343-59-3P
847343-60-6P 847343-61-7P 847343-62-8P
847343-63-9P 847343-64-0P 847343-65-1P
847343-66-2P 847343-67-3P 847343-68-4P
847343-69-5P 847343-70-8P 847343-71-9P
847343-72-0P 847343-73-1P 847343-74-2P
847343-75-3P 847343-76-4P **847343-77-5P**
847343-78-6P 847343-79-7P 847343-80-0P
847343-81-1P **847343-82-2P 847343-83-3P**
847343-84-4P 847343-85-5P 847343-86-6P **847343-87-7P**
847343-88-8P 847343-89-9P 847343-90-2P 847343-91-3P
847343-92-4P 847343-93-5P 847343-94-6P 847343-95-7P
847343-96-8P 847343-97-9P 847343-98-0P 847343-99-1P
847344-00-7P **847344-01-8P** 847344-02-9P 847344-03-0P
847344-05-2P 847344-06-3P 847344-07-4P
847344-08-5P 847344-09-6P 847344-10-9P
847344-11-0P 847344-12-1P 847344-13-2P 847344-14-3P
847344-15-4P 847344-16-5P 847344-17-6P 847344-18-7P
847344-19-8P 847344-20-1P 847344-21-2P 847344-22-3P
847344-23-4P 847344-24-5P 847344-25-6P 847344-26-7P
847344-27-8P 847344-28-9P 847344-29-0P **847344-30-3P**
847344-31-4P 847344-32-5P 847344-33-6P 847344-34-7P
847344-35-8P
(preparation of (dihaloallyloxy)phenol derivs. as pesticides)

L44 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:513651 HCAPLUS Full-text
DOCUMENT NUMBER: 141:71344
TITLE: Preparation of dihalo-allyloxy-phenol derivatives having pesticidal activity
INVENTOR(S): **Zambach, Werner; Renold, Peter ; Hall, Roger Graham; Trah, Stephan**
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.

SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052816	A1	20040624	WO 2003-EP14009	20031210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003288248	A1	20040630	AU 2003-288248	20031210
EP 1572612	A1	20050914	EP 2003-780146	20031210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006509794	T	20060323	JP 2004-558059	20031210
US 2006014806	A1	20060119	US 2005-537444	20050602
PRIORITY APPLN. INFO.:			CH 2002-2104 A	20021211
			WO 2003-EP14009 W	20031210

OTHER SOURCE(S): MARPAT 141:71344
ED Entered STN: 25 Jun 2004
AB The title compds. [I; A1, A2 = a bond, alkylene; A3 = alkylene; X1, X2 = F, Cl, Br; Y = O, NR7, S, SO, SO2; R1-R3 = H, halo, OH, SH, CN, NO2, alkyl, haloalkyl, alkylcarbonyl, alkenyl; Q = O, NR5, S, SO, SO2; W = O, NR5, SO, etc.; T = a bond, O, NR5, etc.; D is CH or N; R4 = H, halogen, OH, SH, CN, NO2, etc.; R5, R7 = H, alkyl, haloalkyl, etc.; k = 1-4; m = 1-2; R10 = radical which contains O, N or S; R11 = H, alkyl or a radical which contains from 1-3 hetero atoms selected from O, N and S; or R11 together with R12 is a bond; R12 = H, alkyl, haloalkyl, alkoxyalkyl, etc.] useful for controlling pests, were prepared Thus, reacting cyanomethanephosphoric acid di-Et ester with 4-{3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy}benzaldehyd e afforded II which was more than 80% effective against Heliothis virescens caterpillars, Plutella xylostella caterpillars, and Spodoptera littoralis.
IT **711012-73-6P**
(preparation of dihalo-allyloxy-phenol derivs. having pesticidal activity)
RN 711012-73-6 HCAPLUS
CN 3-Butyn-2-one, 4-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]- (9CI) (CA INDEX NAME)



IC ICM C07C043-225
ICS C07C049-255; C07C049-557; C07C069-66; C07C205-32; C07C251-40; C07C255-32; C07C271-16; C07D213-57; C07D263-32; C07D307-54; C07D307-81; C07D333-24; C07D213-00
CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT 711012-60-1P 711012-61-2P 711012-62-3P 711012-63-4P
711012-64-5P 711012-65-6P 711012-67-8P 711012-68-9P
711012-69-0P 711012-70-3P 711012-71-4P 711012-72-5P
711012-73-6P 711012-74-7P 711012-75-8P
711012-76-9P 711012-77-0P 711012-78-1P
711012-79-2P 711012-80-5P 711012-81-6P
711012-82-7P 711012-83-8P 711012-84-9P
711012-85-0P 711012-86-1P 711012-87-2P 711012-88-3P
711012-89-4P 711012-90-7P **711012-91-8P**
711012-92-9P 711012-93-0P 711012-94-1P
711012-95-2P 711012-96-3P **711012-97-4P** 711012-98-5P
711012-99-6P 711013-00-2P 711013-01-3P 711013-02-4P
711013-03-5P **711013-04-6P**
(preparation of dihalo-allyloxy-phenol derivs. having pesticidal activity)
IT 540-38-5, 4-Iodophenol 867-13-0, Phosphonoacetic acid triethyl ester
2028-63-9, 3-Butyn-2-ol 2491-38-5 50586-62-4 **214704-58-2**
669055-91-8
(preparation of dihalo-allyloxy-phenol derivs. having pesticidal activity)
IT 32136-81-5P 711013-05-7P **711013-06-8P**
(preparation of dihalo-allyloxy-phenol derivs. having pesticidal activity)

L44 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:203839 HCAPLUS Full-text
DOCUMENT NUMBER: 140:253566
TITLE: Preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides.
INVENTOR(S): **Zambach, Werner**; Steiger, Arthur; **Renold, Peter**; **Trah, Stephan**; **Hall, Roger Graham**
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004020445	A2	20040311	WO 2003-EP9636	20030829
WO 2004020445	A3	20040415		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,

BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003266333	A1	20040319	AU 2003-266333	20030829
EP 1537077	A2	20050608	EP 2003-790947	20030829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006507245	T	20060302	JP 2004-532153	20030829
US 2005288186	A1	20051229	US 2005-525891	20050225
PRIORITY APPLN. INFO.:			CH 2002-1487	A 20020830
			WO 2003-EP9636	W 20030829

OTHER SOURCE(S): MARPAT 140:253566

ED Entered STN: 14 Mar 2004

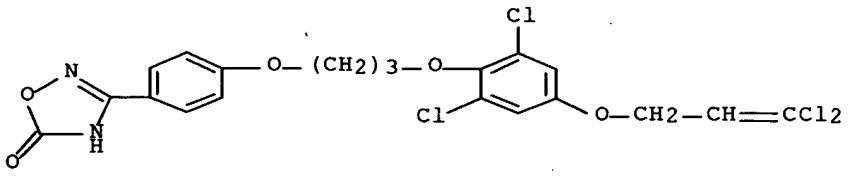
AB Title compds. [I; A0-A2 = bond, (substituted) alkylene; A3 = (substituted) alkylene; D = CH, N; X1, X2 = F, Cl, Br; R1-R3 = H, halo, OH, SH, cyano, NO2, alkyl, haloalkyl, alkylcarbonyl, alkenyl, haloalkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, alkoxycarbonyl, etc.; R4 = H, halo, OH, SH,, cyano, NO2, alkyl, haloalkyl, alkylcarbonyl, alkoxy, alkylsulfonyl, alkoxycarbonyl, etc.; W = O, NR6, S, SO, SO2, CO2, etc.; T = bond, O, NH, NR6, S, SO, SO2, CO2, etc.; Q, Y = O, NR6, S, SO, SO2; R6 = H, alkyl, haloalkyl, alkylcarbonyl, haloalkylcarbonyl, alkoxyalkyl, cycloalkyl, PhCH2; E = (substituted) heteroaryl; m = 1, 2; n = 1-3 when D = N; n = 1-4 when D = CH], were prepared Thus, 5-[4-[3-[2,6-dichloro-4-(3,3- dichloroallyloxy)phenoxy]propoxy]phenyl]-2H-tetrazole (preparation given) was stirred with EtI and K2CO3 in DMF for 4 h at 50° to give 5-[4-[3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propoxy]phenyl]- 2H-2-ethyltetrazole. The latter as a 400 ppm spray on cabbage plants was >80% effective against Heliothis virescens caterpillars.

IT **669055-75-8P**

(preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides)

RN 669055-75-8 HCAPLUS

CN 1,2,4-Oxadiazol-5(2H)-one, 3-[4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]- (9CI) (CA INDEX NAME)



IC ICM C07D521-00

CC 28-10 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 5, 27

IT 669055-61-2P 669055-62-3P 669055-63-4P 669055-64-5P
669055-65-6P 669055-66-7P 669055-67-8P 669055-68-9P
669055-69-0P 669055-70-3P 669055-71-4P 669055-72-5P
669055-73-6P 669055-74-7P **669055-75-8P** 669055-76-9P
669055-77-0P 669055-78-1P 669055-79-2P 669055-80-5P
669055-81-6P 669055-82-7P 669055-83-8P

(preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides)

IT 669055-84-9P 669055-85-0P **669055-86-1P** 669055-87-2P,

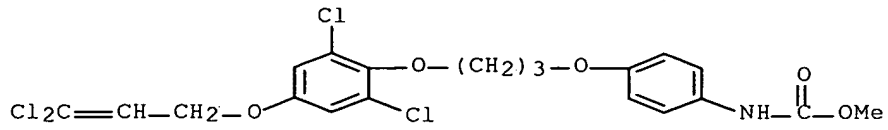
4-(5-Isopropylsulfanyl-tetrazol-1-yl)-phenol 669055-88-3P
669055-89-4P 669055-90-7P
(preparation of dihaloallyloxyphenoxypropoxyphenylazoles as pesticides)

L44 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:20645 HCAPLUS Full-text
DOCUMENT NUMBER: 140:93783
TITLE: Preparation of of 1-{4-(3,3-dihaloallyloxy)phenoxy}-3-phenoxypropanes as pesticides
INVENTOR(S): **Zambach, Werner; Renold, Peter**; Steiger, Arthur; **Trah, Stephan; Hall, Roger Graham**
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004002943	A1	20040108	WO 2003-EP6846		20030627
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2003246623	A1	20040119	AU 2003-246623		20030627
EP 1517881	A1	20050330	EP 2003-761545		20030627
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
BR 2003012287	A	20050412	BR 2003-12287		20030627
CN 1681771	A	20051012	CN 2003-815304		20030627
JP 2005531621	T	20051020	JP 2004-516728		20030627
US 2005245583	A1	20051103	US 2004-518888		20041221
IN 2004CN02919	A	20060217	IN 2004-CN2919		20041222
PRIORITY APPLN. INFO.:			CH 2002-1123	A	20020628
			WO 2003-EP6846	W	20030627

OTHER SOURCE(S): MARPAT 140:93783
ED Entered STN: 11 Jan 2004
AB The title compds. [I; A1-A3 = a bond, alkylene; A4 = alkylene; D = CH, N; W = O, NR7, S, etc.; T = a bond, O, NH, NR7, etc.; Q = O, NR7, S, SO or SO2; Y = O, NR7, S, SO, or SO2; X1, X2 = F, Cl, Br; R1-R3 = H, halo, CN, NO2, alkyl, etc.; R4 = H, halo, CN, NO2, alkyl, etc.; R5, R6 = H, CN, OH, alkyl, etc.; R7 = H, alkyl, alkoxyalkyl, alkylcarbonyl, etc.; k = 1-3 when D = N, or k = 1-4 when D = CH; and m = 1-2], useful for controlling pests, were prepared Thus, reacting 3-[2,6-dichloro-4-(3,3-dichloroallyloxy)phenoxy]propan-1-ol with tert-Bu (4-hydroxyphenyl)carbamate in the presence of azadicarboxylic acid diisopropyl ester and PPh3 in THF afforded II which showed to be more than 80% effective against Heliothis virescens caterpillars at 400 ppm.

IT **642461-12-9P**
(preparation of of 1-{4-(3,3-dihaloallyloxy)phenoxy}-3-phenoxypropanes as pesticides)
RN 642461-12-9 HCAPLUS
CN Carbamic acid, [4-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]phenyl]-, methyl ester (9CI) (CA INDEX NAME)



IC ICM C07C233-75
ICS C07C233-60; C07C233-25; C07C233-61; C07C233-33; C07C233-76; C07C233-80; C07C233-62; C07C233-34; C07C271-58; C07C271-28; C07C217-84; A01N047-20; A01N039-00; A01N037-24; A01N033-02
CC 25-10 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 5
IT 642461-10-7P 642461-11-8P **642461-12-9P**
642461-13-0P 642461-14-1P 642461-15-2P
642461-16-3P 642461-17-4P 642461-19-6P
642461-20-9P 642461-22-1P 642461-24-3P
642461-25-4P 642461-26-5P 642461-27-6P
642461-28-7P 642461-29-8P 642461-30-1P
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642461-34-5P 642461-35-6P 642461-36-7P
642461-37-8P 642461-38-9P 642461-39-0P
642461-40-3P 642461-41-4P 642461-42-5P
642461-43-6P 642461-44-7P 642461-45-8P
642461-46-9P 642461-47-0P 642461-48-1P
642461-50-5P 642461-51-6P 642461-52-7P
642461-53-8P 642461-54-9P 642461-55-0P
642461-56-1P 642461-57-2P 642461-58-3P
642461-59-4P 642461-60-7P 642461-61-8P
642461-62-9P 642461-63-0P 642461-64-1P
642461-65-2P 642461-66-3P 642461-67-4P
642461-68-5P 642461-69-6P 642461-70-9P
642461-71-0P
(preparation of of 1-{4-(3,3-dihaloallyloxy)phenoxy}-3-phenoxypropanes as pesticides)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L44 ANSWER 7 OF 9 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:556812 BIOSIS Full-text
DOCUMENT NUMBER: PREV200100556812
TITLE: Total synthesis of (+-)-rocaglamide and some aryl analogues.
AUTHOR(S): Dobler, Markus R. [Reprint author]; Bruce, Ian; Cederbaum, Fredrik; Cooke, Nigel G.; Diorazio, Louis

J.; **Hall, Roger G.**; Irving, Ed
CORPORATE SOURCE: Syngenta Crop Protection AG, WRO-1060.3.10, 4002, Basel, Switzerland
markus.dobler@syngenta.com
SOURCE: Tetrahedron Letters, (19 November, 2001) Vol. 42, No. 47, pp. 8281-8284. print.
CODEN: TELEAY. ISSN: 0040-4039.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Dec 2001
Last Updated on STN: 25 Feb 2002

AB The insecticidal activity found for rocaglamide and its congeners, prompted us to establish a short and efficient synthesis of the natural product and some synthetic 'halo-aryl' analogues. Pd-catalysed cross-coupling reactions of the bromo analogue were then explored in order to gain a suitable access to a broad range of unnatural analogues. The key step of our approach is a **keto** - aldehyde acyloin ring-closure followed by a Stiles carboxylation.

CC Biochemistry studies - General 10060
Pest control: general, pesticides and herbicides 54600

IT Major Concepts
Biochemistry and Molecular Biophysics; Methods and Techniques; **Pesticides**

IT Chemicals & Biochemicals
dextro-rocaglamide: bromo-analogue, halo-aryl analogues, insecticidal activity, synthesis

IT Methods & Equipment
Stiles carboxylation: synthetic method; **keto**-aldehyde acyloin ring-closure: synthetic method

IT Miscellaneous Descriptors
cross-coupling reaction: palladium-catalyzed, synthetic method

=> d 8-9 iall abeq tech abex

L44 ANSWER 8 OF 9 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2001-112299 [12] WPIX
DOC. NO. CPI: C2001-033348 [12]
TITLE: New tetrazine derivatives useful as **pesticides**
DERWENT CLASS: B02; B03; C02; D22; E13; F06
INVENTOR: EBERLE M; JEANGUENAT A; NAEF R; STEIGER A; TRAH S; **ZAMBACH W**
PATENT ASSIGNEE: (NOVS-C) NOVARTIS AG; (NOVS-C) NOVARTIS-ERFINDUNGEN VERW GES MBH; (SYNG-N) SYNGENTA PARTICIPATIONS AG
COUNTRY COUNT: 93

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2000078739	A1	20001228	(200112)*	EN	88[0]	C07D257-08
AU 2000054056	A	20010109	(200122)	EN		C07D257-08
EP 1187818	A1	20020320	(200227)	EN		C07D257-08
JP 2003502413	W	20030121	(200308)	JA	112	C07D257-08

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000078739	A1	WO 2000-EP5627	20000619

AU 2000054056 A	AU 2000-54056 20000619
EP 1187818 A1	EP 2000-938800 20000619
EP 1187818 A1	WO 2000-EP5627 20000619
JP 2003502413 W	WO 2000-EP5627 20000619
JP 2003502413 W	JP 2001-504905 20000619

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000054056 A	Based on	WO 2000078739 A
EP 1187818 A1	Based on	WO 2000078739 A
JP 2003502413 W	Based on	WO 2000078739 A

PRIORITY APPLN. INFO: CH 1999-1148 19990621
INT. PATENT CLASSIF.:
MAIN: C07D257-08
IPC RECLASSIF.: A01N0043-713 [I,A]; A01N0043-713 [I,C]; C07D0257-00 [I,C]; C07D0257-08 [I,A]; C07D0401-00 [I,C]; C07D0401-04 [I,A]
INDEX: C07M007:00
BASIC ABSTRACT:
WO 2000078739 A1 UPAB: 20050524
NOVELTY - Tetrazine derivatives (I) are new.
DETAILED DESCRIPTION - Tetrazine derivatives of formula (I) and their E/Z isomers and/or tautomers and salts are new.
T-V = NN or NHNH;
X1 = a group R1;
X2 = X3, H or R1;
R1 = halo, CN, CN, NO2, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 3-8C halocycloalkyl, 1-6C alkoxy, 3-8C cycloalkoxy, 1-6C haloalkoxy, 3-8C halocycloalkoxy, 1-6C alkylthio, 3-8C cycloalkylthio, 1-6C haloalkylthio or 3-8C halocycloalkylthio;
Ar1 = aryl or heteroaryl (both optionally substituted by 1-5 Q);
Q = OH, halo, CN, NO2, 1-6C alkyl, 3-8C cycloalkyl, 1-6C alkyl-3-8C cycloalkyl, 3-8C cycloalkoxy, 1-6C haloalkoxy, 3-8C halocycloalkoxy, 1-6C alkylthio, 3-8C cycloalkylthio, 1-6C haloalkylthio, 3-8C halocycloalkylthio, 1-6C alkylsulfonyl, 3-8C cycloalkylsulfinyl, 1-6C haloalkylsulfinyl, 3-8C halocycloalkylsulfinyl, 1-6C alkylsulfonyl, 3-8C cycloalkylsulfonyl, 1-6C haloalkylsulfonyl, 3-8C halocycloalkylsulfonyl, 2-8C alkenyl, 2-8C alkynyl, 2-7C alkylcarbonyl, (1-6C alkyl)C(=NOR-2) or R3;
Ar2 = aryl or heteroaryl (both optionally substituted by 1-5 Q);
A = a bond, 1-12C alkylene, O, O-12C alkylene, S(O)n, S(O)n-1-12C alkylene, 2-8C alkenylene, 2-8C alkenylene, 2-8C alkynylene, NR6, NR61-12C alkylene or C(=Z);
Z = O, NR4, NNR4R5 or NOR4;
R2 = H, 1-6C alkyl or 3-8C cycloalkyl;
R3 = a group of formula (a);
R4, R5 = H, 1-6C alkyl or 1-6C haloalkyl;
R6 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 2-8C alkenyl, 2-8C alkynyl, aryl-1-6C alkyl, (CH2)pC(O)R7 or 1-6C alkoxy-2-6C alkyl;
R7 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 1-6C alkoxy, N(R8)2 or 1-6C alkoxy-2-6C alkyl;
R8 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl or aryl-1-6C alkyl;
R9, R10 = H or 1-6C alkyl;
m = 1-4;
n = 0-2;
p = 0-6 and
Q = O or S,

provided that when T-V is NH-NH, then X1 is halo, X2 and X3 are H, Ar1 and Ar2 are optionally substituted phenyl, then A is not a bond.

ACTIVITY - **Pesticidal**; insecticidal; antiparasitic; acaricidal; antifungal.

MECHANISM OF ACTION - None given.

USE - Used for control of pests on domestic animals and productive livestock and in crops of useful plants. (I) Are active against all or individual development stages of normally sensitive animal pests, but also of resistant animal pests such as insects and acarina. (I) Are active against e.g. plant-destructive feeding insects such as Anthomonas grandis, Diabrotica balteata, Heliothis virescens larvae, Plutella xylostella and Spodoptera littoralis larvae and spider mites such as Tetranychus species in cotton, fruit, citrus, maize, soybean, rape and vegetable crops.

(I) Are also useful for protecting plant propagation material such as fruits, tubers or grains, or plant cuttings against fungal infections and animal pests. (I) Can be used in natural and genetically modified crops, especially cereals such as wheat, barley, rye, oats, rice, maize and sorghum, beet such as sugar and fodder beet, fruit, e.g. pomes, stone fruit and soft fruit such as apples, pears, plums, peaches, almonds, cherries and berries such as strawberries, raspberries and blackberries, legumes such as beans, lentils, peas and soybeans, oil plants such as rape, mustard, poppy, olives, sunflowers, coconut, castor oil, cocoa and groundnuts, cucurbitaceae such as marrows, cucumbers and melons, fiber plants such as cotton, flax, hemp and jute, citrus fruits such as oranges, lemons, grapefruit and mandarins, vegetables such as spinach, lettuce, asparagus, cabbage, carrots, onions, tomatoes, potatoes and paprika, lauraceae such as avocado, cinnamon and camphor and tobacco, nuts, coffee, aubergines, sugar cane, tea, pepper, vines, hops, bananas, natural rubber plants and ornamentals.

(I) Are also used to protect stored goods and storerooms and raw materials and in the hygiene sector, especially in the protection of warm blooded animals including farm animals such as cows, pigs, sheep and goats, poultry such as hens, turkeys and geese, animals bred for their fur such as mink, foxes, chinchillas and rabbits and domestic animals such as cats and dogs and humans against e.g. fleas.

(I: T-V = N=N; R1, X3 = H; X1, X2 = F; R2 = -(3,5-Cl2-Ph) gives at least 80% reduction in pest populations of Diabrotica balteata, Heliothis virescens and Spodoptera littoralis at an application rate of 100 ppm.

ADVANTAGE - (I) Are well tolerated by warm-blooded animals, fish and plants. (I) Have an advantageous biocidal spectrum even at low concentrations.

MANUAL CODE: CPI: B06-H; B07-D13; B14-B02; B14-B04A; B14-B04B; C06-H; C07-D13; C14-A06; C14-B02; C14-B04A; C14-B04B; D09-B; E06-H; E07-D13; F03-C02B

TECH

ORGANIC CHEMISTRY - Preparation: Preparation of (I) comprises e.g. reacting a hydrazine derivative of formula (II) and a **ketone** compound of formula (III) in the presence of a catalyst.

ABEX WIDER DISCLOSURE - Intermediates of formula (VI) are also stated to be new. - Q1 = a leaving group.

ADMINISTRATION - The application rate is 1-2000 (especially 20-600) g a.i./ha. For treatment of animals administration may be external or internal at a rate of 0.01-800 (especially 0.5-30) mg/kg. (I) can be used alone or in combination with other biocides.

EXAMPLE - Phosphorus pentachloride (6.97 g) at 110degreesC was introduced into dichlorobenzene (30 ml) over 15 minutes and 4'-chlorobiphenyl-4-carboxylic acid N'-(2,6-difluorobenzoyl)hydrazide (2.88 g) was added portionwise. The mixture was stirred for 2.5 hours and worked up to give N-(chloro-(4'-chlorobiphenyl-4-yl)-methylidene)-N'-(chloro-(2,6-difluorophenyl)-methylidene)hydrazine, m. pt. 149-161degreesC. This product (2.2 g) was added portionwise at 15-20degreesC to 22 ml 0.5M hydrazine in tetrahydrofuran and the

mixture stirred at room temperature for 45 hours. The mixture was then poured into water and worked up to give 3-(4'-chlorobiphenyl-4-yl)-6-(2,6-difluorophenyl)-1,2-dihydro(1,2,4,5)-tetrazine, m. pt. 242-248degreesC.

L44 ANSWER 9 OF 9 WPIX COPYRIGHT 2007 THE THOMSON CORP on STN
ACCESSION NUMBER: 2000-665334 [64] WPIX
DOC. NO. CPI: C2000-201613 [64]
TITLE: New 1,2,4-triazine derivatives useful as **pesticides** on plants and animals
DERWENT CLASS: C02
INVENTOR: EBERLE M; FAROOQ S; JEANGUENAT A; STEIGER A; TRAH S; **ZAMBACH W**
PATENT ASSIGNEE: (EBER-I) EBERLE M; (FARO-I) FAROOQ S; (JEAN-I) JEANGUENAT A; (NOVS-C) NOVARTIS AG; (NOVS-C) NOVARTIS ANIMAL HEALTH US INC; (NOVS-C) NOVARTIS PHARMA GMBH; (NOVS-C) NOVARTIS-ERFINDUNGEN VERW GES MBH; (STEI-I) STEIGER A; (TRAH-I) TRAH S; (ZAMB-I) ZAMBACH W; (SYGN-C) SYNGENTA PARTICIPATIONS AG
COUNTRY COUNT: 91

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2000066568	A1	20001109	(200064)*	EN	101[0]	
AU 2000042986	A	20001117	(200111)	EN		
EP 1175410	A1	20020130	(200216)	EN		
BR 2000010294	A	20020213	(200220)	PT		
CZ 2001003961	A3	20020213	(200221)	CS		
KR 2002011406	A	20020208	(200255)	KO		A01N043-707
CN 1349514	A	20020515	(200260)	ZH		
ZA 2001008943	A	20020828	(200264)	EN	109	
JP 2002543191	W	20021217	(200312)	JA	129	C07D253-06
US 20030036544	A1	20030220	(200316)	EN		
AU 762755	B	20030703	(200354)	EN		
MX 2001011054	A1	20020601	(200365)	ES		A01N043-707
US 6723720	B2	20040420	(200427)	EN		
RU 2252217	C2	20050520	(200535)	RU		
EP 1175410	B1	20051207	(200582)	EN		
DE 60024610	E	20060112	(200613)	DE		
CN 1171880	C	20041020	(200615)	ZH		
MX 229067	B	20050711	(200627)	ES		A01N043-707
ES 2254165	T3	20060616	(200641)	ES		
DE 60024610	T2	20060803	(200651)	DE		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000066568	A1	WO 2000-EP3921	20000502
AU 2000042986	A	AU 2000-42986	20000502
AU 762755	B	AU 2000-42986	20000502
BR 2000010294	A	BR 2000-10294	20000502
CN 1349514	A	CN 2000-807104	20000502
CN 1171880	C	CN 2000-807104	20000502
DE 60024610	E	DE 2000-624610	20000502
EP 1175410	A1	EP 2000-922671	20000502
EP 1175410	B1	EP 2000-922671	20000502
DE 60024610	E	EP 2000-922671	20000502

ES 2254165 T3	EP 2000-922671 20000502
JP 2002543191 W	JP 2000-615599 20000502
EP 1175410 A1	WO 2000-EP3921 20000502
BR 2000010294 A	WO 2000-EP3921 20000502
CZ 2001003961 A3	WO 2000-EP3921 20000502
JP 2002543191 W	WO 2000-EP3921 20000502
US 20030036544 A1 Cont of	WO 2000-EP3921 20000502
MX 2001011054 A1	WO 2000-EP3921 20000502
US 6723720 B2 Cont of	WO 2000-EP3921 20000502
RU 2252217 C2	WO 2000-EP3921 20000502
EP 1175410 B1	WO 2000-EP3921 20000502
DE 60024610 E	WO 2000-EP3921 20000502
MX 229067 B	WO 2000-EP3921 20000502
CZ 2001003961 A3	CZ 2001-3961 20000502
RU 2252217 C2	RU 2001-132322 20000502
MX 2001011054 A1	MX 2001-11054 20011030
MX 229067 B	MX 2001-11054 20011030
ZA 2001008943 A	ZA 2001-8943 20011030
KR 2002011406 A	KR 2001-714062 20011103
US 6723720 B2	US 2001-6954 20011105
US 20030036544 A1	US 2001-6954 20011205
DE 60024610 T2	DE 2000-624610 20000502
DE 60024610 T2	EP 2000-922671 20000502
DE 60024610 T2	WO 2000-EP3921 20000502

FILING DETAILS:

PATENT NO	KIND		PATENT NO	
AU 762755	B	Previous Publ	AU 2000042986	A
DE 60024610	E	Based on	EP 1175410	A
ES 2254165	T3	Based on	EP 1175410	A
AU 2000042986	A	Based on	WO 2000066568	A
EP 1175410	A1	Based on	WO 2000066568	A
BR 2000010294	A	Based on	WO 2000066568	A
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JP 2002543191	W	Based on	WO 2000066568	A
AU 762755	B	Based on	WO 2000066568	A
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RU 2252217	C2	Based on	WO 2000066568	A
EP 1175410	B1	Based on	WO 2000066568	A
DE 60024610	E	Based on	WO 2000066568	A
MX 229067	B	Based on	WO 2000066568	A
DE 60024610	T2	Based on	EP 1175410	A
DE 60024610	T2	Based on	WO 2000066568	A

PRIORITY APPLN. INFO: CH 1999-832 19990504
INT. PATENT CLASSIF.:
MAIN: A01N043-707; C07D253-06
IPC ORIGINAL: A01N0043-64 [I,C]; A01N0043-64 [I,C]
IPC RECLASSIF.: A01N0043-64 [I,C]
; A01N0043-707 [I,A]; A01N0043-707 [I,A]
; A01N0043-707 [I,A]; A01N0057-00 [I,C]; A01N0057-22 [I,A]; A01N0057-24 [I,A]
; C07D0253-00 [I,C]; C07D0253-00 [I,C]
; C07D0253-00 [I,C]
; C07D0253-06 [I,A]
; C07D0253-06 [I,A]
; C07D0253-06 [I,A]
; C07D0253-065 [I,A]; C07D0253-07 [I,A]; C07D0403-00 [I,C];

C07D0403-04 [I,A]; C07D0405-00 [I,C]; C07D0405-04 [I,A]; C07D0409-00 [I,C]; C07D0409-04 [I,A]; C07D0409-06 [I,A]; C07D0417-00 [I,C]; C07D0417-04 [I,A]; C07D0417-06 [I,A]

BASIC ABSTRACT:

WO 2000066568 A1 UPAB: 20060202

NOVELTY - 1,2,4-Triazine derivatives (I) useful as **pesticides** are new.

DETAILED DESCRIPTION - 1,2,4-Triazine derivatives of formula (I) and their E/Z isomers, tautomers or salts are new.

R1 = phenoxy, phenylthio, phenylamino, phenyl-(1-6C alkyl)-amino (all optionally substituted with 1-5 halo, CN, NO2, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 3-8C halocycloalkyl, 1-6C alkoxy, 3-8C cycloalkoxy, 1-6C haloalkoxy, 1-6C alkylthio, 3-8C cycloalkylthio, 1-6C haloalkylthio, 3-8C halocycloalkylthio, 1-6C alkylsulfinyl, 1-6C haloalkylsulfinyl, 1-6C alkylsulfonyl or 1-6C haloalkylsulfonyl), aryl or heteroaryl (both optionally substituted with 1-5 T, -P(=O)(O-1-6C alkyl)2, phenyl or heteroaryl (both optionally substituted with 1-5 T, -CH(=NOR6), -C(1-6C alkyl)(=NOR6), -CHO, -C(O)-1-6C alkyl))

T = OH, halo, CN, NO2, 1-6C alkyl, 3-8C cycloalkyl, 3-8C cycloalkenyl (optionally substituted), 1-6C alkyl-3-8C cycloalkyl, 3-8C cycloalkyl-1-6C alkyl, 1-6C haloalkyl, 3-8C halocycloalkyl, 1-6C alkoxy, 3-8C cycloalkoxy, 1-6C haloalkoxy, 3-8C halocycloalkoxy, 1-6C alkylthio, 3-8C cycloalkylthio, 1-6C haloalkylthio, 3-8C halocycloalkylthio, 1-6C alkylsulfinyl, 3-8C cycloalkylsulfinyl, 1-6C haloalkylsulfinyl, 3-8C halocycloalkylsulfinyl, 1-6C alkylsulfonyl, 3-8C cycloalkylsulfonyl, 1-6C haloalkylsulfonyl, 3-8C halocycloalkylsulfonyl, 2-8C alkenyl or 2-8C alkynyl (both optionally substituted), 1-6C alkylcarbonyl, 1-6C alkyl-C(=NOR6) or R7;

R2 = H, OH, halo, CN, NO2, 1-6C alkyl (optionally substituted), 1-6C alkoxy, 1-6C alkoxy-1-6C alkyl, 1-6C alkylthio, 1-6C alkylthio-1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 3-8C halocycloalkyl, -NH-1-6C alkyl, SH or CH2-NO2;

A = single bond, 1-12C alkylene, O, O(1-12C alkylene), S(O)n, S(O)n(1-12C alkylene), 2-8C alkenylene, 2-8C alkynylene, NR3 or NR3(1-12C alkylene);

R3 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 2-8C alkenyl, 2-8C alkynyl, aryl-1-6C alkyl, (CH2)pC(O)R4 or 1-6C alkoxy-2-6C alkyl;

R4 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 1-6C alkoxy, N(R5)2 or 1-6C alkoxy-2-6C alkyl;

R5 = H, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl or aryl-1-6C alkyl;

R6 = H, 1-6C alkyl, 3-8C cycloalkyl or -C(O)-R5;

R7 = a group of formula (i);

R8, R9 = H or 1-6C alkyl;

X1 = R10;

X2, X3 = H or R10;

R10 = halo, CN, NO2, 1-6C alkyl, 3-8C cycloalkyl, 1-6C haloalkyl, 3-8C halocycloalkyl, 1-6C alkoxy, 3-8C cycloalkoxy, 1-6C haloalkoxy, 3-8C halocycloalkoxy, 1-6C alkylthio, 3-8C cycloalkylthio, 1-6C haloalkylthio or 3-8C halocycloalkylthio;

m = 1-4;

n = 0-2;

W' = O or S; and

provided that:

(1) A-R1 and phenyl substituted with X1-X3 are not in the vicinal position relative to one another on the triazine ring;

(2) X1 is not methyl, Cl or F, when X2, X3 are H, A is single bond, R1 is phenyl, 2-fluorophenyl, 3-fluorophenyl or 4-fluorophenyl and R2 is H, Cl or ethylamino; and

(3) (I) excludes 3,6-di-(2-chlorophenyl)-5-hydroxy-1,2,4- triazine and 3-(2-methylphenyl)-6-(4-methylphenyl)-5-trifluoromethyl- 1,2,4-triazine.

An INDEPENDENT CLAIM is also included for a plant propagation material treated with (I) or composition comprising (I).

ACTIVITY - **Pesticidal**; antiparasitic; insecticidal; ovicidal; acaricidal. Young soybean plants were sprayed with an aqueous emulsion spray mixture comprising 6-(4'-chloro-biphenyl-4-yl)- 3-(2,6-difluorophenyl)-(1,2,4)triazine (Ia) (100 ppm) and, after the spray coating had dried, were populated with Heliothis virescens (10 caterpillars) and then placed in a plastic container. Six days later, the percentage reduction in population and in feeding damage were determined by comparing the number of dead caterpillars on the treated plants with that on untreated plants. (Ia) gave a reduction in pest population of more than 80 %.

MECHANISM OF ACTION - None given.

USE - (I) are useful for controlling pests, parasites on plants and on warm-blooded animals, and protecting vegetative reproductive material e.g. seeds (all claimed). MANUAL CODE: CPI: C07-D13; C14-B02; C14-B04; C14-U02

TECH

ORGANIC CHEMISTRY - Preparation: (I) may be prepared by e.g.:
(1) reacting a benzoyl compound of formula (II) with 2 equivalents of a carbonyl hydrazine compound of formula (III) to give (I; A = single bond; and phenyl substituted with X1-X3 is in the 6-position on the triazine ring), optionally in the presence of a catalyst (e.g. silver acetate); or
(2) reacting a benzoyl hydrazine compound of formula (IV) with one equivalent of a **ketone** of formula (V) to give (I; A = single bond; and phenyl substituted with X1-X3 is in the 3-position on the triazine ring), optionally in the presence of a catalyst (e.g. silver acetate).
Q = leaving group.

ABEX DEFINITIONS - Preferred Definition: - A = single bond, 1-12C alkylene, O, methoxy, 2-4C alkenylene, 2-4C alkynylene or NR3; and - X1 = halo, 1-4C alkyl, 3-6C cycloalkyl, 1-4C haloalkyl, 1-4C alkoxy, 1-4C haloalkoxy, 1-4C alkylthio or 1-4C haloalkylthio.

ADMINISTRATION - (I) are applied to the pests or their locus (claimed). Dose may be 1-2000, preferably 20-600, g/ha on plants or their locus, or 0.01-800, preferably 0.5-30, mg/kg body weight based on the host animal.

SPECIFIC COMPOUNDS - 1261 Compounds (I) are disclosed e.g. 6-(4'-chloro-biphenyl-4-yl)-3-(2,6-difluorophenyl)-(1,2,4)triazine (Ia).

EXAMPLE - 2,6-Difluoroacetophenone (40.6 g) was placed in chloroform (120 ml), and aluminum chloride (0.1 g) was added. Bromine (37 g) in chloroform (240 ml) at 0 degree C was added dropwise and the mixture was stirred at 0 degree C for 1 hour. The mixture was then heated to room temperature and concentrated. The residue was distilled over a Vigreux column to obtain 2-bromo-1-(2,6-difluorophenyl)ethanone (A) (m.pt. : 101-110 degrees C at 9 mbar). 4-Bromobenzoic acid hydrazide (24.2 g) and silver acetate (9.17 g) were placed in dimethoxyethane (290 ml). The brown suspension was heated at 60 degrees C. (A) (12.9 g) was added and the mixture was stirred under reflux (85 degrees C) four 48 hours. The suspension was cooled to 40 degrees C and filtered. The filtrate was concentrated and purified using flash column chromatography (silica gel; dichloromethane/n-hexane 1:1) to give 3-(4-bromophenyl)-6-(2,6-difluorophenyl)-(1,2,4)triazine, m.pt. 167-168 degrees C.

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L12            0 SEA ABB=ON  PLU=ON  L10 AND BIOSIS/LC
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L22          23 SEA ABB=ON  PLU=ON  ZAMBACH, W?/AU
L23        3773 SEA ABB=ON  PLU=ON  HALL, R?/AU
L24          27 SEA ABB=ON  PLU=ON  RENOLD, P?/AU
L25          56 SEA ABB=ON  PLU=ON  TRAH, S?/AU
L26           6 SEA ABB=ON  PLU=ON  (L22 OR L23 OR L24 OR L25) AND L20
L27          38 SEA ABB=ON  PLU=ON  L21 NOT L26
L28          40 SEA ABB=ON  PLU=ON  L21 AND  (AGR OR BSU OR BIOL OR
                PREP)/RL
L29          35 SEA ABB=ON  PLU=ON  L28 NOT L26
L30          53 SEA ABB=ON  PLU=ON  L15 AND AGR/RL

     FILE 'REGISTRY' ENTERED AT 13:09:22 ON 30 JAN 2007
L31             STR
L32          48 SEA SUB=L7 SSS SAM L31
L33         813 SEA SUB=L7 SSS FUL L31
                SAV L33 KUM292B/A

     FILE 'HCAPLUS' ENTERED AT 13:14:49 ON 30 JAN 2007
L34          71 SEA ABB=ON  PLU=ON  L33
L35          66 SEA ABB=ON  PLU=ON  L34 AND (AGR OR BSU OR BIOL OR
                PREP)/RL
L36          54 SEA ABB=ON  PLU=ON  L35 AND (1840-2003)/PRY,AY,PY
L37          49 SEA ABB=ON  PLU=ON  L36 NOT L26

     FILE 'EMBASE, BIOSIS, DRUGU, MEDLINE, WPIX, JICST-EPLUS, JAPIO,
     LIFESCI, SCISEARCH' ENTERED AT 13:16:41 ON 30 JAN 2007
L38          26 SEA ABB=ON  PLU=ON  ZAMBACH, W?/AU
L39          37 SEA ABB=ON  PLU=ON  RENOLD, P?/AU
L40          17 SEA ABB=ON  PLU=ON  TRAH, STEPHAN?/AU
L41         107 SEA ABB=ON  PLU=ON  HALL, ROGER?/AU
L42          36 SEA ABB=ON  PLU=ON  (L38 OR L39 OR L40 OR L41) AND
                PESTICID?
L43           4 SEA ABB=ON  PLU=ON  L42 AND KETO?


     FILE 'HCAPLUS, BIOSIS, WPIX' ENTERED AT 13:24:54 ON 30 JAN 2007
L44           9 DUP REM L26 L43 (1 DUPLICATE REMOVED)
                    ANSWERS '1-6' FROM FILE HCAPLUS
                    ANSWER '7' FROM FILE BIOSIS
                    ANSWERS '8-9' FROM FILE WPIX
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